## **SIEMENS**

## **Data sheet**

6AV2124-0UC24-1AX0

SIMATIC HMI TP1900 Comfort Pro for supporting foot (expandable, flange at bottom), Comfort Panel, touch operation, 19" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 24 MB configuration memory, WEC 2013, configurable from WinCC Comfort V14 SP1 with HSP



| General information   |                            |
|---|----------------------------|
| Product type designation  | TP1900 Comfort PRO         |
| Display   |                            |
| Design of display   | TFT                        |
| Screen diagonal   | 18.5 in                    |
| Display width   | 409.8 mm                   |
| Display height  | 230.4 mm                   |
| Number of colors  | 16 777 216                 |
| Resolution (pixels)   |                            |
| Horizontal image resolution   | 1 366 pixel                |
| <ul> <li>Vertical image resolution</li> </ul>                         | 768 pixel                  |
| Backlighting  |                            |
| <ul> <li>MTBF backlighting (at 25 °C)</li> </ul>                      | 50 000 h                   |
| <ul> <li>Backlight dimmable</li> </ul>                                | Yes; 0-100 %               |
| Control elements  |                            |
| Keyboard fonts  |                            |
| <ul> <li>Function keys</li> </ul>                                     |                            |
| <ul> <li>Number of function keys</li> </ul>                           | 0                          |
| <ul> <li>Number of function keys with LEDs</li> </ul>                 | 0                          |
| <ul> <li>Keys with LED</li> </ul>                                     | No                         |
| System keys   | No                         |
| <ul> <li>Numeric keyboard</li> </ul>                                  | Yes; Onscreen keyboard     |
| <ul> <li>alphanumeric keyboard</li> </ul>                             | Yes; Onscreen keyboard     |
| Touch operation   |                            |
| Design as touch screen  | Yes; Projective-capacitive |
| Expansions for operator control of the process                        |                            |
| <ul> <li>Direct keys (touch buttons as S7 input I/O)</li> </ul>       | 40                         |
| Installation type/mounting  |                            |
| Mounting  | Pedestal                   |
| Mounting position   | vertical                   |
| Mounting in portrait format possible                                  | No                         |
| maximum permissible angle of inclination without external ventilation | 35°                        |
| Supply voltage  |                            |
| Type of supply voltage  | DC                         |
| Rated value (DC)  | 24 V                       |
| permissible range, lower limit (DC)                                   | 19.2 V                     |
| permissible range, upper limit (DC)                                   | 28.8 V                     |
| Input current   |                            |
| Current consumption (rated value)                                     | 1.5 A                      |
| Starting current inrush I2t   | 0.5 A <sup>2</sup> ·s      |

| Power   |  |
|---|--|
| Active power input, typ.  | 36 W   |
| Processor   |  |
| Processor type  | X86  |
| Memory  |  |
| Flash   | Yes  |
| RAM   | Yes  |
| Memory available for user data  | 24 Mbyte   |
| Type of output  |  |
| Info LED  | No   |
| Power LED   | No   |
| Error LED   | No   |
| Acoustics   |  |
| Buzzer  | No   |
| Speaker   | Yes  |
| Time of day   |  |
| Clock   |  |
| Hardware clock (real-time)  | Yes  |
| Software clock     retentive  | Yes  |
| retentive     synchronizable  | Yes; Back-up duration typically 6 weeks Yes                        |
| synchronizable  Interfered  | res  |
| Interfaces  | 2: 2 ports (switch) Lindoperate and                                |
| Number of industrial Ethernet interfaces  Number of RS 485 interfaces | 2; 2 ports (switch) + independent port<br>1; RS 422 / 485 combined |
| Number of RS 422 interfaces   | 0; together with RS 485  |
| Number of RS 232 interfaces   | 0, together with KS 465  |
| Number of USB interfaces  | 2; USB 2.0   |
| Number of 30 mA interfaces (TTY)                                      | 0  |
| Number of parallel interfaces   | 0  |
| Number of other interfaces  | 0  |
| Number of SD card slots   | 2  |
| With software interfaces  | No   |
| Industrial Ethernet   |  |
| <ul> <li>Industrial Ethernet status LED</li> </ul>                    | 3  |
| Number of ports of the integrated switch                              | 2  |
| Protocols   |  |
| PROFINET  | Yes  |
| Supports protocol for PROFINET IO                                     | Yes  |
| IRT   | Yes  |
| PROFIBUS  | Yes  |
| EtherNet/IP   | Yes  |
| MPI Protocols (Ethernet)  | Yes  |
| TCP/IP  | Yes  |
| • DHCP  | Yes  |
| • SNMP  | Yes  |
| • DCP   | Yes  |
| • LLDP  | Yes  |
| WEB characteristics   |  |
| • HTTP  | Yes  |
| • HTTPS   | Yes  |
| • HTML  | Yes  |
| • XML   | Yes  |
| • CSS   | Yes  |
| Active X     Leve Script  | Yes  |
| <ul><li>JavaScript</li><li>Java VM</li></ul>                          | Yes<br>No  |
| Java vivi  Redundancy mode  | IVO  |
| Media redundancy  |  |
| — MRP   | Yes  |
| Further protocols   |  |
| • CAN   | No   |
|   |  |

| • MODBUS   | Yes   |
|--|---|
| Interrupts/diagnostics/status information  |   |
| Diagnoses  |   |
| Diagnostic information readable  | Yes; S7 controller                                      |
| EMC  |   |
| Emission of radio interference acc. to EN 55 011                                 |   |
| <ul> <li>Limit class A, for use in industrial areas</li> </ul>                   | Yes   |
| <ul> <li>Limit class B, for use in residential areas</li> </ul>                  | No  |
| Degree and class of protection   |   |
| IP (at the front)  | IP65  |
| IP (rear)  | IP65  |
| NEMA (front)   |   |
| Enclosure Type 4 at the front  | Yes   |
| Enclosure Type 4x at the front   | Yes   |
| Standards, approvals, certificates   |   |
| CE mark  | Yes   |
| CULus  | Yes   |
| RCM (formerly C-TICK) KC approval  | Yes<br>No; Available soon                               |
| EAC (formerly Gost-R)  | No; Available soon                                      |
| Ambient conditions   | ,   |
| Suited for indoor use  | Yes   |
| Suited for indoor use Suited for outdoor use                                     | No  |
| Ambient temperature during operation   |   |
| Operation (vertical installation)  |   |
| — For vertical installation, min.  | 0 °C  |
| <ul> <li>For vertical installation, max.</li> </ul>                              | 45 °C   |
| Operation (max. tilt angle)  |   |
| <ul><li>At maximum tilt angle, min.</li></ul>                                    | 0 °C  |
| — At maximum tilt angle, max.  | 40 °C   |
| Ambient temperature during storage/transportation                                | 00.00   |
| • min.   | -20 °C  |
| Max.  Polative humidity  | 60 °C   |
| Relative humidity  • Operation, max.   | 90 %; no condensation                                   |
| Operation, max.  | oo 70, 110 contaction                                   |
|  | No  |
| proprietary pre-installed operating system                                       | INU   |
| Windows CE   | Yes; Windows Embedded Compact 2013                      |
| configuration / header   | . 55, Tilliaotto Eliibodado Gottipuot 2010              |
| Message indicator  | Yes   |
| Alarm system (incl. buffer and acknowledgment)                                   | Yes   |
| Process value display (output)   | Yes   |
| Process value default (input) possible   | Yes   |
| Recipe management  | Yes   |
| Configuration software   |   |
| STEP 7 Basic (TIA Portal)  | No  |
| <ul> <li>STEP 7 Professional (TIA Portal)</li> </ul>                             | No  |
| WinCC flexible Compact   | No<br>  |
| WinCC flexible Standard     WinCO flexible Advanced                              | No  |
| WinCC Regio (TIA Portal)   | No<br>No  |
| WinCC Comfort (TIA Portal)   | No<br>Vec: V14 SP1 HSP and higher                       |
| <ul><li>WinCC Comfort (TIA Portal)</li><li>WinCC Advanced (TIA Portal)</li></ul> | Yes; V14 SP1 HSP and higher Yes; V14 SP1 HSP and higher |
| Winco Advanced (TIA Portal)     WinCo Professional (TIA Portal)                  | Yes; V14 SP1 HSP and higher                             |
| Languages  | 100, THO THO GIR HIGHE                                  |
|  |   |
| Online languages  • Number of online/runtime languages                           | 32  |
| Project languages  |   |
| Languages per project  | 32  |
| Functionality under WinCC (TIA Portal)   |   |
| Times (Tires (Tires)   |   |

| Libraries   |   | V  |
|---|---|--|
| Web browser   | Libraries   | Yes  |
| • Pocket Word         Yes           • Pocket Excel         Yes           • POF Viewer         Yes           • Madia Player         Yes           • SIMATIC WinCC Audit         Yes           • Winder of Visual Basic Scripts         Yes           • Task planner         • time controlled         Yes           • time controlled         Yes           • Lask-controlled         Yes           • Number of alarm diasses         32           • Rimessages greater         • Number of alarm diasses           • Number of alarm diasses         6 000           • Rail messages         • 000           • Analog messages         • 000           • Analog messages         • 000           • Number of brancaters per message         • 000           • System messages HMI         Yes           • System messages HMI         Yes           • System messages walves per message         8           • Number of process values per message         9           • Number of variables per device         1000           • En   |   | N. Control of the con |
| PDCAGE Excel   Yes  |   |  |
| PDF Viewer     Media Player     SIMATIC WinCC SnightServer     SIMATIC WinCC SnightServer     SIMATIC WinCC SnightServer     SIMATIC WinCC Audit.  Wes     SIMATIC WinCC Audit.  Wes     Inter-controlled     Ves  |   |  |
| Media Player   Yes  |   |  |
| SIMATIC WinCC Smignserver  SIMATIC WinCC Smignserver  Ves Number of Visual Basic Scripts  Task planner  - time-controlled  - task-controlled  - Number of alarm classes  - Number of intersages  - Number of treasages  - Number of the message  - Number of process values per message  - Number of characters per message  - Number of theracters per message  - Number of process values per message  - Number of process values per message  - Number of recipes  - Number of recipes  - Number of recipes  - Data records per recipe  - Data records per source  - Recipe management  - Number of variables per device  - Number of variables per device  - Number of variables per screen  - Number of variables per screen  - Arrays  - Yes  - Structures  -  |   |  |
| * SIMATIC WINCE Audit Number of Visual Basic Scripts  Task planner  • time-controlled • tesk-controlled • Number of alam classes • Number of lalam classes • Respective of the messages • Number of lalam classes • Analog messages • Number of analog messages • System messages • Number of procedure • System messages • System messages IMI • System messages IMI • System sevent, more (SIMATIC S7. SINUMERIK, Yes • SiMOTION) • Number of characters per message • Number of process values per message • Acknowdegment groups • Yes • Message indicator • Yes • Mumber of process values per message • Acknowdegment groups • Yes • Mumber of recipes • Data records per recipe • Visiancies • Number of variables per screen • 400 • Size of internal recipe memory • Recipe memory expandable • Ves • Number of variables per screen • 400 • Number of variables per screen • 400 • Limit values • Number of variables per screen • 400 • Limit values • Arrays • Ves • Multiplexing • Yes • Multiplexing • Yes • Multiplexing • Yes • Sidde-in images • Number of configurable images • Number of configurabl   | Media Player  | Yes  |
| Number of Visual Basic Scripts  | <ul> <li>SIMATIC WinCC Sm@rtServer</li> </ul>   | Yes  |
| Task planner  | <ul> <li>SIMATIC WinCC Audit</li> </ul>   | Yes  |
| time-controlled   | Number of Visual Basic Scripts  | Yes  |
| Lask-controlled   Yes   | Task planner  |  |
| Number of alam classes   32   | • time-controlled   | Yes  |
| Number of alarm classes     Bit messages     — Number of malog messages     System messages HMI     System messages HMI     System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)     Number of characters per message     Number of process values per message     Number of process values per message     Number of recipes     Number of recipes     Number of recipes     Data records per recipe     Data records per recipe     Data records per recipe     Data records per recipe     Entries per data record     Size of internal recipe memory     Recipe memory expandable     Number of variables per device     Number of variables per device     Number of variables per device     Number of variables per screen     Number of variables per screen     Wes     Structures     Yes     Multiplexing     Yes     Structures     Yes     Arrays     Yes  Images     Number of configurable image     Yes     Side-in images     Number of objects per image     Number of objects per image     Number of objects per image     Text fields     Yes     Systems     Number of objects per image     Number of objects per image     Number of objects per image     Systems     Systems     Yes     Systems     Yes     Systems     Systems     Systems     Syst  | • task-controlled   | Yes  |
|   | Message system  |  |
| - Number of bit messages  • Analog messages  - Number of analog messages  • Sy alarm number procedure  • System message sHMI  • System wesn, more (SIMATIC S7, SINUMERIK, SIMOTION))  • Number of characters per message  • Number of characters per message  • Acknowledgment groups  • Message indicator  * Recipe management  • Number of recipes  • Number of variables per device  • Number of variables per device  • Number of variables per screen  • Number of variables  • Number of variables per screen  • Number of variables  • Num   |   | 32   |
| - Number of bit messages  • Analog messages  - Number of analog messages  • Sy alarm number procedure  • System message sHMI  • System wesn, more (SIMATIC S7, SINUMERIK, SIMOTION))  • Number of characters per message  • Number of characters per message  • Acknowledgment groups  • Message indicator  * Recipe management  • Number of recipes  • Number of variables per device  • Number of variables per device  • Number of variables per screen  • Number of variables  • Number of variables per screen  • Number of variables  • Num   | Bit messages  |  |
|   | •   | 6 000  |
| - Number of analog messages  • S7 alarm number procedure  • System remssages HMI  • System remssages HMI  • System remssages HMI  • Number of characters per message  • Number of process values per message  • Number of process values per message  • Acknowledgment groups  • Message indicator  * Yes  • Message indicator  * Yes  • Mumber of recipes  • Number of recipes  • Data records per recipe  • Data records per recipe  • Data records per recipe  • In 1000  • Entries per data record  • Size of internal recipe memory  • Recipe manory expandable  • Number of variables per device  • Number of variables per device  • Number of variables per screen  • Limit values  • Number of variables per screen  • Multiplexing  • Structures  • Arrays  • Structures  • Arrays  • Permanent windowdefault  • Permanent windowdefault  • Pes  • Iling explicit images  • Number of configurable images  • Pop-up images  • Number of process  • Iling selection by PLC  • Image objects  • Number of Offields (graphics list)  • Yes  • Symbolic I/O fields (graphics list)  • Yes  • Buttons  • Yes  • Buttons  • Yes  • Buttons  • Yes  • Buttons  • Yes  • Goopal indiges  • Yes  • Symbolic I/O fields (graphics list)  • Yes  • Buttons  • Yes  • Buttons  • Yes  • Buttons  • Yes  • Geometric objects  • Number of complex objects per screen  • Aunitary of topicets  • Number of complex objects per screen  • Aunitary of com  | _   |  |
| S7 alarm number procedure System messages HMI System event, more (SIMATIC S7, SINUMERIK, Yes SIMOTION,) Number of characters per message Number of process values per message Acknowledgment groups Yes Acknowledgment groups Yes Message indicator Ves Message indicator Number of recipes S00 Data records per recipe 1 000 Entries per data record Size of internal recipe memory Recipe memory expandable Variables Number of variables per device Number of variables per screen Ultimit values Structures Arrays Structures Yes Arrays Permanent window/default Yes Situctures Permanent window/default Yes Side-in images Permanent window/default Yes Side-in images Permanent window for pluc Permanent  |   | 200  |
| System messages HMI System system wore (SIMATIC S7, SINUMERIK, SIMOTION,)  Number of characters per message Number of process values per message Acknowledgment groups Acknowledgment groups Message indicator  Number of recipes Message indicator  Number of recipes Data records per recipe Data records per recipe Entries per data record Size of internal recipe memory Number of variables per device Number of variables per device Number of variables per screen Multiplexing Structures Arrays Number of variables per screen Multiplexing Yes Multiplexing Number of configurable images Number of configurable images Permanent window/default Global image Permanent window/default Global image Permanent window/default Messages Multiplexing Permanent window/default Messages Number of configurable images Permanent window/default Pess Side-in images Permanent window/default Pess Minder of permanent window/default Pess Dide-in images Pess Minder of permanent window/default Pess Dide-in images Dide-in images Pess Dide-in images Dide-in images Dide-in images Dide-in images Dide-in images Dide-in images Did   |   |  |
| System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)  Number of characters per message Number of process values per message Acknowledgment groups Message indicator  Recipe management Number of recipes Data record Size of internal recipe memory Recipe memory expandable Number of variables per device Number of variables per screen Multiplexing Siructures Number of variables per screen Multiplexing Siructures Number of configurable images Number of configurable images Number of configurable images Number of configurable images Number of variables per screen Number of configurable images Number of objects per image Number of objects Number of objects Number of objects per screen  Occupiers independent of ves Number of configurables yes Number of configurables objects Number of configurables objects Number of configurables objects Number of configurables objects  |   |  |
| Number of characters per message   80   | •   |  |
| Number of characters per message Number of process values per message Acknowledgment groups Nessage indicator Recipe management Number of recipes Data records per recipe 1 1000 Entries per data record Size of internal recipe memory Recipe memory expandable Number of variables per device Number of variables per screen Number of configurable images Nes Number of configurable images Nes Number of configurable images Nes Number of objects per image Nes Number of objects per image Nes Number of objects per image Nos Number of objects (ves Number of objects (vex list) Nes Number of objects (ves Number of objects per screen  Number of ocmplex objects per screen  |   |  |
| Number of process values per message Acknowledgment groups Message indicator Yes  Recipe management  Number of recipes Data records per recipe Latries per data record Size of internal recipe memory Recipe memory expandable Yes  Number of variables per device Number of variables per screen Multiplexing Structures Arrays Res Arrays Res Number of configurable images Number of configurable images Side in images Pop-up images Side in images Side in images Minage selection by PLC Mage apunder in the PLC Nes Mage apunder in the PLC Nes Message apunder in the PLC Nes Message apunder in the PLC Nes Symbolic I/O fields (graphics list) Symbolic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields Symbolic I/O fields (text list) Date/time fields Symbolic I/O fields (text list) Symbolic I/O fields (text list) Date/time fields Symbolic I/O fields (text list) Symbolic I/O  |   | 80   |
| Acknowledgment groups  Message indicator  Recipe management  Number of recipes  Data records per recipe  Intrinsiper data record  Size of internal recipe memory  Recipe manory expandable  Number of variables per device  Number of variables per screen  Number of variables per screen  Multiplexing  Multiplexing  Arrays  Structures  Arrays  Number of configurable images  Number of configurable images  Persament window/default  Global image  Side-in images  Side-in images  Side-in images  Multiper in the PLC  Yes  Image selection by PLC  Mumber of objects per image  Number of objects per image  Oracle is a constant of the public of the publi   |   |  |
| ● Message indicator         Yes           Recipe management              ■ Number of recipes             ■ 500             ■ Data records per recipe             ■ 1 000             ■ Entries per data record             ■ 2 000             ■ Size of internal recipe memory             ■ Alwhyte             ■ Recipe memory expandable             ■ Number of variables per device             ■ Number of variables per screen             ■ 400             ■ Limit values             ■ Ves             ■ Multiplexing             ■ Yes             ■ Alrays             ■ Yes             ■ Alrays             ■ Yes             ■ Alrays             ■ Yes             ■ Number of configurable images             ■ Number of configurable images             ■ Permanent window/default             ■ Global image             ■ Permanent window/default             ■ Side-in images             ■ Side-in images             ■ Side-in images             ■ Image selection by PLC             ■ Yes             ■ Image selection by PLC             ■ Yes             ■ Image selection by PLC             ■ Yes             ■ Image objects             ■ Number of objects per image             ■ Oto Permanent image             ■ Oto Permanent image             ■ Permanent images             ■ Yes             ■ Image objects             ■ Number of objects (graphics list)             ■ Yes             ■ Date/time fields             ■ Symbolic I/O fields (graphics list)             ■ Yes             ■ Buttons             ■ Graphic idiplay             ■ Yes             ■ Geometric objects             ■ Number of complex objects per screen             ■ 40             ■ Number of complex objects             ■ Number of complex objects             ■ Number of complex objects per screen             ■ 20             ■ Number of complex objects per screen             ■ 20             ■ 20   |   |  |
| Number of recipes   500   |   |  |
| <ul> <li>Number of recipes</li> <li>Data records per recipe</li> <li>Entries per data record</li> <li>Size of internal recipe memory</li> <li>Recipe memory expandable</li> <li>Yes</li> <li>Variables</li> <li>Number of variables per device</li> <li>Number of variables per screen</li> <li>Limit values</li> <li>Etmit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Structures</li> <li>Permanent window/default</li> <li>Global image</li> <li>Pop-up images</li> <li>Silde-in images</li> <li>Pop-up images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Image objects</li> <li>Number of objects per image</li> <li>For Fields</li> <li>For Symbolic I/O fields (graphics list)</li> <li>Yes</li> <li>Switches</li> <li>Switches</li> <li>Garaphic display</li> <li>Graphic display</li> <li>Graphic image objects</li> <li>Number of complex objects</li> <li>Number of objects</li> <li>Wes</li> <li>Switches</li> <li>Spendic I/O fields (graphics list)</li> <li>Yes</li> <li>Graphic image objects</li> <li>Number of objects</li> <li>Switches</li> <li>Ses</li> <li>Graphic display</li> <li>Graphic display</li> <li>Geometric objects</li> <li>Number of complex objects</li> <li>Number of complex objects</li> </ul>   |   | 100  |
| Data records per recipe     Entries per data record     Size of internal recipe memory     Recipe memory expandable     Yes  Variables      Number of variables per device     Number of variables per screen     Number of configurable images     Number of configurable images     Number of configurable images     Number of variables per screen     Ves     Ves     Ves     Number of variables per screen     Ves     Ves     Ves     Ves     Ves     Ves     Ves     Ves  |   | 500  |
| Entries per data record     Size of internal recipe memory     Recipe memory expandable     Yes  Variables      Number of variables per device     Number of variables per screen     Number of configurable images     Number of configurable images     Number of configurable images     Number of objects per image     Number of objects per image     Number of objects (stat list)     Symbolic I/O fields (graphics list)     Symbolic I/O fields (text list)     Suitches     Switches     Switches     Suitches     Sumage objects     Number of complex objects per screen     Number of complex objects     Number of complex objects per screen     Number of complex objects  |   |  |
| Size of internal recipe memory Recipe memory expandable  Variables  Number of variables per device Number of variables per screen Limit values Multiplexing Structures Arrays Pes Arrays  Number of configurable images Number of configurable images Permanent window/default Global image Pop-up images Slide in images Image selection by PLC Image selection by PLC Image objects Number of objects per image Officials (graphics list) Symbolic I/O fields (graphics list) Symbolic I/O fields (text list) Symbolic I/O fields (text list) Switches Switches Suice objects Suice objects Suice objects Suice objects Switches Switches Switches Side objects Suice objects Sui   |   |  |
| Pecipe memory expandable  Variables  Number of variables per device Number of variables per screen Limit values Number of variables per screen Multiplexing Structures Yes Arrays Yes Arrays Yes Number of configurable images Permanent window/default Global image Permanent window/default Global image Yes Slide-in images Slide-in images Number of objects per image Pop-up images Slide-in images Number of objects per image Number of leids Yes Number of leids (graphics list) Number of leids (graphics list) Symbolic I/O fields (graphics list) Symbolic I/O fields (graphics list) Symbolic I/O fields (text list) Symbolic I/O fields (text list) Switches Switches Switches Switches Switches Switches Switches Seemetric objects Number of complex objects per screen Number of complex objects per screen Number of complex objects per screen  |   |  |
| Variables         • Number of variables per device         4 096           • Number of variables per screen         400           • Limit values         Yes           • Multiplexing         Yes           • Structures         Yes           • Arrays         Yes           Images         Yes           • Number of configurable images         750           • Permanent window/default         Yes           • Global image         Yes           • Pop-up images         Yes           • Slide-in images         Yes           • Image selection by PLC         Yes           • Image selection by PLC         Yes           • Image objects         Ves           • Number of objects per image         600           • Text fields         Yes           • I/O fields         Yes           • I/O fields (graphics list)         Yes           • Symbolic I/O fields (text list)         Yes           • Switches         Yes           • Buttons         Yes           • Caraphic display         Yes           • Icons         Yes           • Complex image objects         Yes           Complex image objects  |   |  |
| Number of variables per device Number of variables per screen  Number of variables per screen  Number of variables per screen  Numbles in variables per screen  Number of variables per screen  Number of configurable images  Number of configurable images  Permanent window/default  Yes Global image Permanent window/default Yes Slide-in images Yes Nide-in images Nes Image selection by PLC Yes Image number in the PLC Yes Image objects  Number of objects per image Ves Graphic I/O fields (graphics list) Symbolic I/O fields (graphics list) Symbolic I/O fields (text list) Symbolic I/O fields Switches Switches Suitches Suitches Suitches Sementric objects Fes Geometric objects Number of complex objects per screen  Number of complex objects Suitches Sementric objects Number of complex objects per screen  Number of complex objects   |   | Yes  |
| <ul> <li>Number of variables per screen</li> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Yes</li> <li>Arrays</li> <li>Yes</li> <li>Arrays</li> <li>Pes</li> <li>Images</li> <li>Number of configurable images</li> <li>Permanent window/default</li> <li>Global image</li> <li>Yes</li> <li>Pop-up images</li> <li>Yes</li> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Yes</li> <li>Image objects</li> <li>Number of objects per image</li> <li>Io fields</li> <li>Yes</li> <li>Graphic I/O fields (graphics list)</li> <li>Yes</li> <li>Symbolic I/O fields (text list)</li> <li>Yes</li> <li>Switches</li> <li>Switches</li> <li>Buttons</li> <li>Yes</li> <li>Graphic display</li> <li>Yes</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> <li>Number of complex objects per screen</li> </ul>  |   | 1000   |
| <ul> <li>Limit values</li> <li>Multiplexing</li> <li>Structures</li> <li>Arrays</li> <li>Number of configurable images</li> <li>Number of configurable images</li> <li>Permanent window/default</li> <li>Global image</li> <li>Pop-up images</li> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Image objects</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Pes</li> <li>Buttons</li> <li>Graphic display</li> <li>Graphic display</li> <li>Graphic mage objects</li> </ul>   |   |  |
| Multiplexing     Structures     Arrays     Arrays     Yes  Mages      Number of configurable images     Number of configurable images     Permanent window/default     Yes     Global image     Yes     Slide-in images     Yes     Image selection by PLC     Yes     Image number in the PLC     Yes  Image objects      Number of objects per image     For the fields     Yes     Graphic I/O fields (graphics list)     Symbolic I/O fields (text list)     Date/time fields     Switches     Switches     Graphic display     Geometric objects     Geometric objects     Number of complex objects per screen     Number of complex objects per screen     Number of complex objects per screen  Number of complex objects per screen  Yes     Graphic display     Yes     Geometric objects     Number of complex objects per screen  Number of complex objects   |   |  |
| • Structures • Arrays  • Arrays  Images  • Number of configurable images • Number of configurable images • Permanent window/default • Yes • Global image • Yes • Pop-up images • Slide-in images • Image selection by PLC • Image number in the PLC • Yes • Image objects  • Number of objects per image • Mumber of objects per image • I/O fields • Yes • Symbolic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Switches • Graphic display • Graphic display • Geometric objects • Number of complex objects per screen  • Number of complex objects  |   | Yes  |
| <ul> <li>● Arrays</li> <li>Images</li> <li>● Number of configurable images</li> <li>● Permanent window/default</li> <li>● Yes</li> <li>● Global image</li> <li>● Pop-up images</li> <li>● Slide-in images</li> <li>● Image selection by PLC</li> <li>● Image number in the PLC</li> <li>Image objects</li> <li>● Number of objects per image</li> <li>● I/O fields</li> <li>● I/O fields</li> <li>● Graphic I/O fields (graphics list)</li> <li>● Symbolic I/O fields (text list)</li> <li>● Switches</li> <li>● Buttons</li> <li>● Graphic display</li> <li>● Geometric objects</li> <li>● Number of complex objects per screen</li> <li>40</li> </ul>   | <ul><li>Multiplexing</li></ul>  | Yes  |
| Images  Number of configurable images Permanent window/default Yes Global image Pop-up images Slide-in images Image selection by PLC Image number in the PLC Yes  Image objects Number of objects per image Normanel image For a special image Number of objects per image Number of objects Number of objects Number of complex objects Number of complex objects per screen Number of complex objects per screen  | Structures  |  |
| <ul> <li>Number of configurable images</li> <li>Permanent window/default</li> <li>Global image</li> <li>Yes</li> <li>Pop-up images</li> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Image objects</li> <li>Number of objects per image</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Symbolic I/O fields</li> <li>Yes</li> <li>Buttons</li> <li>Graphic display</li> <li>Complex image objects</li> </ul>   | Arrays  | Yes  |
| <ul> <li>Permanent window/default</li> <li>Global image</li> <li>Pop-up images</li> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Yes</li> <li>Image objects</li> <li>Number of objects per image</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Graphic display</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> <li>Number of complex objects</li> </ul>  | Images  |  |
| <ul> <li>Global image</li> <li>Pop-up images</li> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Yes</li> <li>Image objects</li> <li>Number of objects per image</li> <li>I/O fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> <li>Number of complex objects per screen</li> </ul>  | <ul> <li>Number of configurable images</li> </ul>   | 750  |
| Pop-up images Slide-in images Image selection by PLC Image number in the PLC Yes Image objects  Number of objects per image Number of objects per image If of fields Yes If of fields Yes If of fields Yes If of fields (graphics list) Yes Symbolic I/O fields (graphics list) Yes Symbolic I/O fields (text list) Yes Switches Switches Yes Buttons Graphic display Yes Graphic display Yes Geometric objects Yes Geometric objects  Number of complex objects per screen  Yes  | <ul> <li>Permanent window/default</li> </ul>  | Yes  |
| <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Yes</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Yes</li> <li>Symbolic I/O fields (text list)</li> <li>Yes</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> </ul> Complex image objects <ul> <li>Number of complex objects per screen</li> </ul>   | Global image  | Yes  |
| <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Yes</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Faxt fields</li> <li>I/O fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> </ul> Complex image objects <ul> <li>Number of complex objects per screen</li> </ul>  | Pop-up images   | Yes  |
| <ul> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Yes</li> <li>Image objects</li> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> </ul>  |   |  |
| <ul> <li>Image number in the PLC</li> <li>Image objects</li> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> </ul>   |   | Yes  |
| Image objects  Number of objects per image  Text fields  I/O fields  Graphic I/O fields (graphics list)  Symbolic I/O fields (text list)  Date/time fields  Switches  Switches  Graphic display  Graphic display  Icons  Geometric objects  Number of complex objects per screen  Fest  600  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Y   | Slide-in images   |  |
| <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> <li>600</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Wes</li> <li>Yes</li> <li>Au</li> <l< td=""><td><ul><li>Slide-in images</li><li>Image selection by PLC</li></ul></td><td>Yes</td></l<></ul> | <ul><li>Slide-in images</li><li>Image selection by PLC</li></ul>  | Yes  |
| <ul> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> </ul>  | <ul><li>Slide-in images</li><li>Image selection by PLC</li><li>Image number in the PLC</li></ul>  | Yes  |
| <ul> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Number of complex objects per screen</li> </ul>   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> <li>Image objects</li> </ul>   | Yes<br>Yes   |
| <ul> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Yes</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> </ul>   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> </ul>  | Yes<br>Yes   |
| <ul> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> </ul>  | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> </ul>   | Yes<br>Yes<br>600<br>Yes   |
| <ul> <li>Date/time fields</li> <li>Switches</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> </ul>   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> </ul>   | Yes<br>Yes<br>600<br>Yes<br>Yes  |
| <ul> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> </ul> Yes 40  | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> </ul>   | Yes Yes  600 Yes Yes Yes Yes   |
| <ul> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> </ul>   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> </ul>  | Yes Yes  600 Yes Yes Yes Yes Yes   |
| <ul> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> </ul>  | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> </ul>  | Yes Yes  600 Yes Yes Yes Yes Yes Yes Yes   |
| <ul> <li>Icons</li> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> <li>40</li> </ul>   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> </ul>  | Yes Yes  600 Yes Yes Yes Yes Yes Yes Yes Yes Yes   |
| <ul> <li>Geometric objects</li> <li>Complex image objects</li> <li>Number of complex objects per screen</li> <li>40</li> </ul>  | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> </ul>   | Yes Yes  600 Yes   |
| Complex image objects  • Number of complex objects per screen  40   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> </ul>  | Yes Yes  600 Yes   |
| Number of complex objects per screen     40   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> </ul>   | Yes Yes  600 Yes   |
|   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> </ul>  | Yes Yes  600 Yes   |
| Alarm view     Yes  | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> </ul> Complex image objects  | Yes Yes  600 Yes   |
|   | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> </ul> Complex image objects <ul> <li>Number of complex objects per screen</li> </ul>                     | Yes Yes  600 Yes   |
| • Trend view Yes  | <ul> <li>Slide-in images</li> <li>Image selection by PLC</li> <li>Image number in the PLC</li> </ul> Image objects <ul> <li>Number of objects per image</li> <li>Text fields</li> <li>I/O fields</li> <li>Graphic I/O fields (graphics list)</li> <li>Symbolic I/O fields (text list)</li> <li>Date/time fields</li> <li>Switches</li> <li>Buttons</li> <li>Graphic display</li> <li>Icons</li> <li>Geometric objects</li> </ul> Complex image objects <ul> <li>Number of complex objects per screen</li> <li>Alarm view</li> </ul> | Yes Yes  600 Yes   |

| User view  | Yes  |
|--|--|
| <ul> <li>Status/control</li> </ul>   | Yes  |
| <ul> <li>Sm@rtClient view</li> </ul>   | Yes  |
| Recipe view  | Yes  |
| <ul><li>f(x) trend view</li></ul>  | Yes  |
| <ul> <li>System diagnostics view</li> </ul>                                  | Yes  |
| Media Player   | Yes  |
| HTML browser   | Yes  |
| <ul> <li>PDF display</li> </ul>  | Yes  |
| IP camera display  | Yes  |
| Bar graphs   | Yes  |
| • Sliders  | Yes  |
| Pointer instruments  | Yes  |
| Analog/digital clock   | Yes  |
| Lists  | 100  |
| Number of text lists per project   | 500  |
| Number of text lists per project     Number of entries per text list         | 500  |
| Number of entires per text list     Number of graphics lists per project     | 500  |
| Number of graphics lists per project     Number of entries per graphics list | 500  |
|  | 500  |
| Archiving  | 50   |
| Number of archives per device     Number of artrices per archives.           |  |
| Number of entries per archive     Massage prohits                            | 50 000   |
| Message archive  | Yes  |
| Process value archive  | Yes  |
| Archiving methods  |  |
| <ul> <li>— Sequential archive</li> </ul>                                     | Yes  |
| <ul> <li>Short-term archive</li> </ul>                                       | Yes  |
| Memory location  |  |
| — Memory card  | Yes  |
| — USB memory   | Yes  |
| — Ethernet   | Yes  |
| <ul> <li>Data storage format</li> </ul>                                      |  |
| — CSV  | Yes  |
| — TXT  | Yes  |
| — RDB  | Yes  |
| Security   |  |
| <ul> <li>Number of user groups</li> </ul>                                    | 50   |
| <ul> <li>Number of user rights</li> </ul>                                    | 32   |
| <ul> <li>Number of users</li> </ul>  | 50   |
| <ul> <li>Password export/import</li> </ul>                                   | Yes  |
| SIMATIC Logon  | Yes  |
| Logging through printer  |  |
| Alarms   | Yes  |
| Report (shift log)   | Yes  |
| Hardcopy   | Yes  |
| Electronic print to file   | Yes; PDF, HTML   |
| Character sets   |  |
| Keyboard fonts   |  |
| — US English   | Yes  |
| Transfer (upload/download)   |  |
| MPI/PROFIBUS DP  | Yes  |
| • USB  | Yes  |
| • Ethernet   | Yes  |
| using external storage medium  | Yes  |
| Process coupling   |  |
| • S7-1200  | Yes  |
| • S7-1500  | Yes  |
| • \$7-1300<br>• \$7-200  | Yes  |
| • S7-300/400   | Yes  |
|  | Yes  |
| <ul><li>LOGO!</li><li>WinAC</li></ul>  | Yes  |
|  |  |
| SINUMERIK  | Yes; With SINUMERIK option package as from WinCC V15 or higher |
| • SIMOTION   |  |
| <ul><li>SIMOTION</li><li>Allen Bradley (EtherNet/IP)</li></ul>               | Yes<br>Yes   |

| <ul> <li>Allen Bradley (DF1)</li> </ul>           | Yes                           |
|---|-------------------------------|
| <ul> <li>Mitsubishi (MC TCP/IP)</li> </ul>        | Yes                           |
| <ul><li>Mitsubishi (FX)</li></ul>                 | Yes                           |
| <ul><li>OMRON (FINS TCP)</li></ul>                | No                            |
| <ul> <li>OMRON (LINK/Multilink)</li> </ul>        | Yes                           |
| <ul> <li>Modicon (Modbus TCP/IP)</li> </ul>       | Yes                           |
| <ul><li>Modicon (Modbus)</li></ul>                | Yes                           |
| OPC UA Client                                     | Yes                           |
| OPC UA Server                                     | Yes                           |
| Service tools/configuration aids                  |                               |
| <ul> <li>Backup/Restore manually</li> </ul>       | Yes                           |
| <ul> <li>Backup/Restore automatically</li> </ul>  | Yes                           |
| <ul> <li>Simulation</li> </ul>                    | Yes                           |
| <ul> <li>Device switchover</li> </ul>             | Yes                           |
| Peripherals/Options                               |                               |
| Printer   | Yes                           |
| SIMATIC HMI MM memory card: Multi Media Card      | Yes; Up to 128 MB             |
| SIMATIC HMI SD memory card: Secure Digital memory | Yes; Up to 2 GB               |
| card  |                               |
| SIMATIC HMI CF memory card Compact Flash Card     | No                            |
| USB memory  | Yes                           |
| SIMATIC IPC USB Flashdrive (USB stick)            | Yes; Up to 16 GB              |
| SIMATIC HMI USB stick                             | Yes; Up to 8 GB               |
| Network camera                                    | Yes                           |
| Mechanics/material                                |                               |
| Enclosure material (front)                        |                               |
| <ul><li>Plastic</li></ul>                         | No                            |
| <ul> <li>Aluminum</li> </ul>                      | Yes                           |
| Stainless steel                                   | No                            |
| Dimensions  |                               |
| Width of the housing front                        | 462 mm                        |
| Height of housing front                           | 296 mm; Without basic adapter |
| Overall depth                                     | 101 mm; Without basic adapter |
| Weights   |                               |
| Weight (without packaging)                        | 7.4 kg                        |
|   |                               |
| last modified:                                    | 3/2/2021 🗗                    |