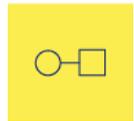


VISIONXS-DP-HR 2.0

KVM extenders



New



VisionXS-DP-HR 2.0

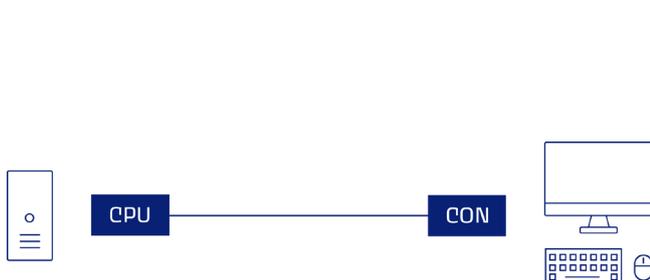
The matrix-compatible KVM extenders of the VisionXS-DP-HR 2.0 series extend keyboard, video, and mouse signals, as well as other peripheral data (e.g., audio and USB), via a dedicated CAT or fiber connection (up to 10,000 m). An extender system consists of a computer module (CPU) and a compatible console module (CON). Computers can be controlled in near real-time – both in extender and matrix applications. The VisionXS-DP-HR 2.0 series supports DisplayPort 1.1 for high-resolution video up to 2560 × 1600 (60 Hz) or 4096 × 2160 (30 Hz). Video data is processed pixel-perfectly and offers excellent handeye coordination, thanks to bluedec™ – G&D’s advanced, multi-stage, lossless compression technology.

VisionXS-IP 2.0 – The new generation

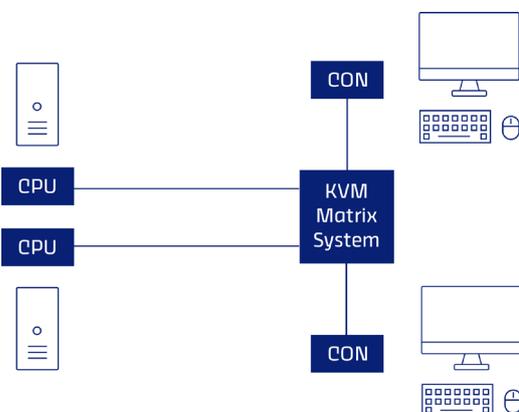
- **New, optimized housing design** – ensures higher operational reliability thanks to improved cooling and user-friendly placement of interfaces.
- **Durable surface finishing** – reliably protects the device and increases its service life, even in demanding environments.
- **Simple and cost-efficient installation** – saves time and resources without compromising stability or functionality.
- **All console modules now in DT format (½ 19")** – enables a more pleasant working environment through predominantly passive cooling.
- **USB Type-C for power and service** – simplifies handling and eliminates the need for additional adapters or special solutions.
- **Individual transmission options (CAT or fiber, with or without redundancy)** – variants supplied from the factory in the desired configuration, with no additional licensing or extra effort required.
- **Extended USB input side with TypeC and separate USB K/M interface** – enables the optional physical separation of keyboard/mouse signals and USB data stream for enhanced security.
- **Audio and RS232 support as standard** – analog audio always included (bidirectional via adapter), RS232 available by default in the DT version.

Application Area

Dedicated extender operation



Dedicated matrix operation



Compatibility

VisionXS 2.0 is compatible with the existing product families MTX-CON/CPU, Vision, VisionXS, as well as ControlCenter-Compact and ControlCenter-Digital.

Key Benefits

- Optimal range and transmission – tailored to your dedicated infrastructure
 - Up to 140 m via CAT, 400 m via multimode fiber, and up to 10,000 m via singlemode – optionally extendable.
- Highest video quality with minimal latency
 - Support for common video standards with brilliant image quality
Compatible with DVI-I (up to 165 MPixel/s, e.g., Full HD @ 60 Hz), DisplayPort High Resolution (DP 1.1, up to 300 MPixel/s, e.g., 4K @ 30 Hz), and DisplayPort Ultra High Resolution (DP 1.2, up to 600 MPixel/s, e.g., 4K @ 60 Hz). RGB 4:4:4 pixel encoding with 24 bpp ensures razor-sharp, color-accurate visuals – ideal for graphically demanding applications.
 - Pixel-perfect, lossless compression with bluedec™
G&D's advanced multi-stage lossless compression technology delivers outstanding video quality with virtually zero latency, enabling precise hand-eye coordination – ideal for mission-critical environments.
 - Freeze function for maximum operational reliability
If the video signal is lost, the last received image remains visible – frozen, framed in color, and with an on-screen timer. This feature ensures situational awareness is maintained, even in critical scenarios, and is specifically designed for air traffic control and other high-security applications.
- Extended peripheral and interface support
 - Transmits not only keyboard, video, and mouse, but also analog audio, embedded audio, RS232, and USB
Each use case is served by a tailored product variant equipped with the appropriate interfaces.
 - Demand-driven video transmission: Single and DualHead
Supports single-channel video as well as DualHead (DH, 2× video over one channel) – ideal for applications with multi-screen setups, such as control centers, control rooms, or high-performance workstations.
- Optimal Usability & User Guidance
 - Permanent emulation of mouse, keyboard, and monitor
Ensures stable system states at all times—even during signal changes or restarts. Peripherals remain continuously active and ready.
 - USB-HID support for standard and specialized devices
Compatible with conventional USB input devices as well as specialized Human Interface Devices (HIDs), e.g., for industrial or safety-critical environments.
 - Standard GenericUSB support for the USB classes HID (Human Interface Device), SmartCard, and Mass Storage enables the direct use of common USB peripherals for operation, authentication, and data transfer.
 - Flexible EDID management
The extender can either adopt EDID data (monitor profiles) from the connected monitor or use a predefined optimized profile from the CPU module—adaptable to your needs.
 - Central control of monitor parameters (DDC/CI)
Supports Display Data Channel / Command Interface for remote control of monitor settings such as brightness—transparently passed through the system.
 - Intuitive control via On-Screen Display (OSD) and hotkeys
An integrated OSD enables direct access to settings and controls, supported by customizable hotkeys for fast interaction.
 - Modern configuration via HTML5 web interface (Config Panel 21)
Platform-independent management through a Java-free, browser-based interface—offering easy configuration, monitoring, and live firmware updates..
- High System Compatibility and Expandability
 - Integrated Matrix Support
Enables seamless integration into G&D matrix systems – ideal for centralized switching scenarios in control rooms and monitoring environments.
 - Mix & Match Capability for Heterogeneous Setups
End devices can be flexibly combined, even across different video signal types – offering maximum compatibility in diverse system configurations.
- Reliability, Security, and Operational Safety
 - Physical separation between workstation and host system
No direct access to the computer – ensures enhanced system security through strict functional isolation.
 - Galvanic isolation via fiber connections
Transmitter and receiver are electrically decoupled – improving resistance to electromagnetic interference.
 - Access without local software installation
Users connect through standard interfaces – no need for additional software or agents.
 - High availability for 24/7 operation
Robust device design guarantees uninterrupted use in industrial, critical, or continuous-operation environments.

- Trusted Computing Platform for integrity and tamper protection
Bootloader, OS, and firmware are cryptographically secured. A TPM (Trusted Platform Module) protects configuration data from unauthorized access or manipulation.
- No security-critical data stored on the device
Console modules do not store access credentials – minimizing data leakage risk in case of loss or theft.
- Access management with role-based permissions
Detailed user rights management with configurable access per resource and mandatory authentication (e.g., in matrix setups).
- Integration with external directory services
Compatible with Active Directory, LDAP, and Radius – for seamless incorporation into enterprise policies and IT security frameworks.
- Customizable password and access policies
Allows configuration of password complexity, usage rules, and lockout limits – for maximum policy compliance.
- Built-in two-factor authentication (2FA)
A second factor can be used for login – for added protection in sensitive environments.
- Monitoring & early warning via Syslog, SNMP, and Web Interface
Security-relevant events and suspicious activities can be centrally monitored and analyzed.
- Auto-backup function for timely data protection
Performs automated configuration backups at defined intervals – ensuring reliable recovery without manual effort.
- Ident-LED for easy on-site identification
Devices can be quickly located in large installations using an LED signal.

Product details - video

- Support of the DisplayPort™ 1.1 video standard
- bluedec™ – advanced multi-level lossless compression for pixel-perfect video quality and virtually latency-free transmission
- Pixel rate ca. 25 MPixel/s up to 300 MPixel/s
- Vertical frequency 24 Hz up to 120 Hz
- Horizontal frequency 25 kHz up to 185 kHz
- Color depth 24 bit
- Pixel encoding with RGB 4:4:4 at 24 bpp / 8 bpc
- Support for Display Data Channel Command Interface (DDC/CI)
- Support for Enhanced Extended Display Identification Data (E-EDID)
- Example resolutions:
 - 4096 × 2160 (30 Hz)
 - 2560 × 1600 (60 Hz)
 - 2560 × 1440 (60 Hz)
 - 2048 × 2048 (60 Hz)
 - 1920 × 1080 (60 Hz)
 - Further VESA and CTA standardized resolutions are supported within the limits of pixel rate and horizontal/vertical frequency.

Product details - further signals

- Keyboard/Mouse (USB)
- Audio (analog, stereo), bidirectional via adapter for the mono audio backchannel
- Embedded audio (DisplayPort digital, stereo, 2-channel LPCM, AC3, DTS)
- GenericUSB support for the USB classes HID (Human Interface Device), SmartCard and Mass Storage
- U variant: Embedded USB 2.0 over the KVM line with full-speed 16 Mbit/s, transparent, all USB classes
- U2 variant: Separate USB 2.0 transmission path with high-speed 480 Mbit/s, transparent, all USB classes, not matrix-compatible, only available in variants without redundant transmission path
- RS232, always available in the DT variant
- 2C / 2F variants with two transmission paths (CAT or Fiber) for redundancy

Features and product overview

Abbreviation / Feature	Icon	Description
-		bluedec™ – advanced multi-stage lossless compression for best video quality and virtually latency-free transmission. This process enables pixel-perfect video transmission with efficient bandwidth utilization
-		Proprietary dedicated G&D transmission technology
-		Mix & Match: The devices can be flexibly combined with each other, even if they process different video signals
CPU	-	Computer module for feeding in the signals to be transmitted
CON	-	Console module for system operation
C	-	1G CAT transmission via twisted-pair cable for distances up to 140 m
F	-	2.5G fiber transmission via multimode, singlemode, or singlemode+ for distances up to 10 km
2C / 2F		Two transmission paths (CAT or Fiber) for redundancy
DP-HR		DisplayPort™ 1.1 video signal incl. embedded stereo audio (2-channel LPCM, AC3, DTS)
-		Resolutions up to 300 MPixel/s possible, e.g. 2560 × 1600 (60 Hz) or 4096 × 2160 (30 Hz)
DH		Number of video channels – in DualHead variants, there are two separate video signals (each up to 300 MPixel/s and including embedded stereo audio) over a single transmission path
LC		Local console at the computer module enables the display and operation of all video channels on site
GenUSB		Always included: GenericUSB support for the USB classes HID (Human Interface Device), Smart-Card, and Mass Storage
U		Embedded USB 2.0 over the KVM line with full-speed 16 Mbit/s, transparent, all USB classes
U2		Separate USB 2.0 transmission path with high-speed 480 Mbit/s, transparent, all USB classes; not matrix-compatible; only available in variants without redundant transmission path (2C / 2F)
-		Transparent audio signals (stereo, analog), bidirectional via optional adapter for the mono audio back channel
DT		Transparent RS232 (max. 115,200 bps), always available in the DT variant
-		Product dimensions, ca. in millimeters, specified as width × height × depth

Computer modules, transmission via CAT twisted pair cable up to 140m

Item no.	Name							
A1110883	VisionXS-CPU-C-DP-HR 2.0	1	○	○	GenUSB	●	○	115 x 32 x 222
A1110879	VisionXS-CPU-2C-DP-HR 2.0	1	○	●	GenUSB	●	○	115 x 32 x 222
A1110875	VisionXS-CPU-C-DP-HR-DT 2.0	1	○	○	GenUSB	●	●	215 x 44 x 222
A1110871	VisionXS-CPU-2C-DP-HR-DT 2.0	1	○	●	GenUSB	●	●	215 x 44 x 222
A1110859	VisionXS-CPU-C-DP-HR-U 2.0	1	○	○	USB 2.0	●	○	115 x 32 x 222
A1110855	VisionXS-CPU-2C-DP-HR-U 2.0	1	○	●	USB 2.0	●	○	115 x 32 x 222
A1110851	VisionXS-CPU-C-DP-HR-U-DT 2.0	1	○	○	USB 2.0	●	●	215 x 44 x 222
A1110847	VisionXS-CPU-2C-DP-HR-U-DT 2.0	1	○	●	USB 2.0	●	●	215 x 44 x 222
A1110867	VisionXS-CPU-C-DP-HR-U2 2.0	1	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110863	VisionXS-CPU-C-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate	●	●	215 x 44 x 222
A1110843	VisionXS-CPU-C-DP-HR-DH 2.0	2	○	○	GenUSB	●	○	115 x 32 x 222
A1110839	VisionXS-CPU-2C-DP-HR-DH 2.0	2	○	●	GenUSB	●	○	115 x 32 x 222
A1110835	VisionXS-CPU-C-DP-HR-DH-DT 2.0	2	○	○	GenUSB	●	●	215 x 44 x 222
A1110831	VisionXS-CPU-2C-DP-HR-DH-DT 2.0	2	○	●	GenUSB	●	●	215 x 44 x 222
A1110819	VisionXS-CPU-C-DP-HR-DH-U 2.0	2	○	○	USB 2.0	●	○	115 x 32 x 222
A1110815	VisionXS-CPU-2C-DP-HR-DH-U 2.0	2	○	●	USB 2.0	●	○	115 x 32 x 222
A1110811	VisionXS-CPU-C-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0	●	●	215 x 44 x 222
A1110807	VisionXS-CPU-2C-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0	●	●	215 x 44 x 222
A1110827	VisionXS-CPU-C-DP-HR-DH-U2 2.0	2	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110823	VisionXS-CPU-C-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate	●	●	215 x 44 x 222

Computer modules, transmission via fiber multimode up to 400m

Item no.	Name							
A1110884	VisionXS-CPU-F(M)-DP-HR 2.0	1	○	○	GenUSB	●	○	115 x 32 x 222
A1110880	VisionXS-CPU-2F(M)-DP-HR 2.0	1	○	●	GenUSB	●	○	115 x 32 x 222
A1110876	VisionXS-CPU-F(M)-DP-HR-DT 2.0	1	○	○	GenUSB	●	●	215 x 44 x 222
A1110872	VisionXS-CPU-2F(M)-DP-HR-DT 2.0	1	○	●	GenUSB	●	●	215 x 44 x 222
A1110860	VisionXS-CPU-F(M)-DP-HR-U 2.0	1	○	○	USB 2.0	●	○	115 x 32 x 222
A1110856	VisionXS-CPU-2F(M)-DP-HR-U 2.0	1	○	●	USB 2.0	●	○	115 x 32 x 222
A1110852	VisionXS-CPU-F(M)-DP-HR-U-DT 2.0	1	○	○	USB 2.0	●	●	215 x 44 x 222
A1110848	VisionXS-CPU-2F(M)-DP-HR-U-DT 2.0	1	○	●	USB 2.0	●	●	215 x 44 x 222
A1110868	VisionXS-CPU-F(M)-DP-HR-U2 2.0	1	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110864	VisionXS-CPU-F(M)-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate	●	●	215 x 44 x 222
A1110844	VisionXS-CPU-F(M)-DP-HR-DH 2.0	2	○	○	GenUSB	●	○	115 x 32 x 222
A1110840	VisionXS-CPU-2F(M)-DP-HR-DH 2.0	2	○	●	GenUSB	●	○	115 x 32 x 222
A1110836	VisionXS-CPU-F(M)-DP-HR-DH-DT 2.0	2	○	○	GenUSB	●	●	215 x 44 x 222
A1110832	VisionXS-CPU-2F(M)-DP-HR-DH-DT 2.0	2	○	●	GenUSB	●	●	215 x 44 x 222
A1110820	VisionXS-CPU-F(M)-DP-HR-DH-U 2.0	2	○	○	USB 2.0	●	○	115 x 32 x 222
A1110816	VisionXS-CPU-2F(M)-DP-HR-DH-U 2.0	2	○	●	USB 2.0	●	○	115 x 32 x 222
A1110812	VisionXS-CPU-F(M)-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0	●	●	215 x 44 x 222
A1110808	VisionXS-CPU-2F(M)-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0	●	●	215 x 44 x 222
A1110828	VisionXS-CPU-F(M)-DP-HR-DH-U2 2.0	2	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110824	VisionXS-CPU-F(M)-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate	●	●	215 x 44 x 222

Computer modules, transmission via fiber singlemode up to 5.000m

Item no.	Name	MC	Location	Transmission	GenUSB	Speaker	RS232	Dimensions
A1110885	VisionXS-CPU-F(S)-DP-HR 2.0	1	○	○	GenUSB	●	○	115 x 32 x 222
A1110881	VisionXS-CPU-2F(S)-DP-HR 2.0	1	○	●	GenUSB	●	○	115 x 32 x 222
A1110877	VisionXS-CPU-F(S)-DP-HR-DT 2.0	1	○	○	GenUSB	●	●	215 x 44 x 222
A1110873	VisionXS-CPU-2F(S)-DP-HR-DT 2.0	1	○	●	GenUSB	●	●	215 x 44 x 222
A1110861	VisionXS-CPU-F(S)-DP-HR-U 2.0	1	○	○	USB 2.0	●	○	115 x 32 x 222
A1110857	VisionXS-CPU-2F(S)-DP-HR-U 2.0	1	○	●	USB 2.0	●	○	115 x 32 x 222
A1110853	VisionXS-CPU-F(S)-DP-HR-U-DT 2.0	1	○	○	USB 2.0	●	●	215 x 44 x 222
A1110849	VisionXS-CPU-2F(S)-DP-HR-U-DT 2.0	1	○	●	USB 2.0	●	●	215 x 44 x 222
A1110869	VisionXS-CPU-F(S)-DP-HR-U2 2.0	1	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110865	VisionXS-CPU-F(S)-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate	●	●	215 x 44 x 222
A1110845	VisionXS-CPU-F(S)-DP-HR-DH 2.0	2	○	○	GenUSB	●	○	115 x 32 x 222
A1110841	VisionXS-CPU-2F(S)-DP-HR-DH 2.0	2	○	●	GenUSB	●	○	115 x 32 x 222
A1110837	VisionXS-CPU-F(S)-DP-HR-DH-DT 2.0	2	○	○	GenUSB	●	●	215 x 44 x 222
A1110833	VisionXS-CPU-2F(S)-DP-HR-DH-DT 2.0	2	○	●	GenUSB	●	●	215 x 44 x 222
A1110821	VisionXS-CPU-F(S)-DP-HR-DH-U 2.0	2	○	○	USB 2.0	●	○	115 x 32 x 222
A1110817	VisionXS-CPU-2F(S)-DP-HR-DH-U 2.0	2	○	●	USB 2.0	●	○	115 x 32 x 222
A1110813	VisionXS-CPU-F(S)-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0	●	●	215 x 44 x 222
A1110809	VisionXS-CPU-2F(S)-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0	●	●	215 x 44 x 222
A1110829	VisionXS-CPU-F(S)-DP-HR-DH-U2 2.0	2	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110825	VisionXS-CPU-F(S)-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate	●	●	215 x 44 x 222

Computer modules, transmission via fiber singlemode+ up to 10.000m

Item no.	Name	MC	Location	Transmission	USB	Speaker	RS232	Dimensions
A1110886	VisionXS-CPU-F(S+)-DP-HR 2.0	1	○	○	GenUSB	●	○	115 x 32 x 222
A1110882	VisionXS-CPU-2F(S+)-DP-HR 2.0	1	○	●	GenUSB	●	○	115 x 32 x 222
A1110878	VisionXS-CPU-F(S+)-DP-HR-DT 2.0	1	○	○	GenUSB	●	●	215 x 44 x 222
A1110874	VisionXS-CPU-2F(S+)-DP-HR-DT 2.0	1	○	●	GenUSB	●	●	215 x 44 x 222
A1110862	VisionXS-CPU-F(S+)-DP-HR-U 2.0	1	○	○	USB 2.0	●	○	115 x 32 x 222
A1110858	VisionXS-CPU-2F(S+)-DP-HR-U 2.0	1	○	●	USB 2.0	●	○	115 x 32 x 222
A1110854	VisionXS-CPU-F(S+)-DP-HR-U-DT 2.0	1	○	○	USB 2.0	●	●	215 x 44 x 222
A1110850	VisionXS-CPU-2F(S+)-DP-HR-U-DT 2.0	1	○	●	USB 2.0	●	●	215 x 44 x 222
A1110870	VisionXS-CPU-F(S+)-DP-HR-U2 2.0	1	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110866	VisionXS-CPU-F(S+)-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate	●	●	215 x 44 x 222
A1110846	VisionXS-CPU-F(S+)-DP-HR-DH 2.0	2	○	○	GenUSB	●	○	115 x 32 x 222
A1110842	VisionXS-CPU-2F(S+)-DP-HR-DH 2.0	2	○	●	GenUSB	●	○	115 x 32 x 222
A1110838	VisionXS-CPU-F(S+)-DP-HR-DH-DT 2.0	2	○	○	GenUSB	●	●	215 x 44 x 222
A1110834	VisionXS-CPU-2F(S+)-DP-HR-DH-DT 2.0	2	○	●	GenUSB	●	●	215 x 44 x 222
A1110822	VisionXS-CPU-F(S+)-DP-HR-DH-U 2.0	2	○	○	USB 2.0	●	○	115 x 32 x 222
A1110818	VisionXS-CPU-2F(S+)-DP-HR-DH-U 2.0	2	○	●	USB 2.0	●	○	115 x 32 x 222
A1110814	VisionXS-CPU-F(S+)-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0	●	●	215 x 44 x 222
A1110810	VisionXS-CPU-2F(S+)-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0	●	●	215 x 44 x 222
A1110830	VisionXS-CPU-F(S+)-DP-HR-DH-U2 2.0	2	○	○	USB 2.0 separate	●	○	115 x 32 x 222
A1110826	VisionXS-CPU-F(S+)-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate	●	●	215 x 44 x 222

Console modules, transmission via CAT twisted pair cable up to 140m

Item no.	Name	MC	Location	Direction	USB	Speaker	RS232	Dimensions
A1120703	VisionXS-CON-C-DP-HR-DT 2.0	1	○	○	GenUSB ●	●	●	215 x 44 x 222
A1120704	VisionXS-CON-2C-DP-HR-DT 2.0	1	○	●	GenUSB ●	●	●	215 x 44 x 222
A1120741	VisionXS-CON-C-DP-HR-U-DT 2.0	1	○	○	USB 2.0 ●	●	●	215 x 44 x 222
A1120737	VisionXS-CON-2C-DP-HR-U-DT 2.0	1	○	●	USB 2.0 ●	●	●	215 x 44 x 222
A1120745	VisionXS-CON-C-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate ●	●	●	215 x 44 x 222
A1120733	VisionXS-CON-C-DP-HR-DH-DT 2.0	2	○	○	GenUSB ●	●	●	215 x 44 x 222
A1120729	VisionXS-CON-2C-DP-HR-DH-DT 2.0	2	○	●	GenUSB ●	●	●	215 x 44 x 222
A1120721	VisionXS-CON-C-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0 ●	●	●	215 x 44 x 222
A1120717	VisionXS-CON-2C-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0 ●	●	●	215 x 44 x 222
A1120725	VisionXS-CON-C-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate ●	●	●	215 x 44 x 222

Console modules, transmission via fiber multimode up to 400m

Item no.	Name	MC	Location	Direction	USB	Speaker	RS232	Dimensions
A1120705	VisionXS-CON-F(M)-DP-HR-DT 2.0	1	○	○	GenUSB ●	●	●	215 x 44 x 222
A1120708	VisionXS-CON-2F(M)-DP-HR-DT 2.0	1	○	●	GenUSB ●	●	●	215 x 44 x 222
A1120742	VisionXS-CON-F(M)-DP-HR-U-DT 2.0	1	○	○	USB 2.0 ●	●	●	215 x 44 x 222
A1120738	VisionXS-CON-2F(M)-DP-HR-U-DT 2.0	1	○	●	USB 2.0 ●	●	●	215 x 44 x 222
A1120746	VisionXS-CON-F(M)-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate ●	●	●	215 x 44 x 222
A1120734	VisionXS-CON-F(M)-DP-HR-DH-DT 2.0	2	○	○	GenUSB ●	●	●	215 x 44 x 222
A1120730	VisionXS-CON-2F(M)-DP-HR-DH-DT 2.0	2	○	●	GenUSB ●	●	●	215 x 44 x 222
A1120722	VisionXS-CON-F(M)-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0 ●	●	●	215 x 44 x 222
A1120718	VisionXS-CON-2F(M)-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0 ●	●	●	215 x 44 x 222
A1120726	VisionXS-CON-F(M)-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate ●	●	●	215 x 44 x 222

Console modules, transmission via fiber singlemode up to 5.000m

Item no.	Name	MC	Location	Direction	Port	Speaker	RS232	Dimensions
A1120706	VisionXS-CON-F(S)-DP-HR-DT 2.0	1	○	○	GenUSB	●	●	215 x 44 x 222
A1120709	VisionXS-CON-2F(S)-DP-HR-DT 2.0	1	○	●	GenUSB	●	●	215 x 44 x 222
A1120743	VisionXS-CON-F(S)-DP-HR-U-DT 2.0	1	○	○	USB 2.0	●	●	215 x 44 x 222
A1120739	VisionXS-CON-2F(S)-DP-HR-U-DT 2.0	1	○	●	USB 2.0	●	●	215 x 44 x 222
A1120747	VisionXS-CON-F(S)-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate	●	●	215 x 44 x 222
A1120735	VisionXS-CON-F(S)-DP-HR-DH-DT 2.0	2	○	○	GenUSB	●	●	215 x 44 x 222
A1120731	VisionXS-CON-2F(S)-DP-HR-DH-DT 2.0	2	○	●	GenUSB	●	●	215 x 44 x 222
A1120723	VisionXS-CON-F(S)-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0	●	●	215 x 44 x 222
A1120719	VisionXS-CON-2F(S)-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0	●	●	215 x 44 x 222
A1120727	VisionXS-CON-F(S)-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate	●	●	215 x 44 x 222

Console modules, transmission via fiber singlemode+ up to 10.000m

Item no.	Name	MC	Location	Direction	Port	Speaker	RS232	Dimensions
A1120707	VisionXS-CON-F(S+)-DP-HR-DT 2.0	1	○	○	GenUSB	●	●	215 x 44 x 222
A1120710	VisionXS-CON-2F(S+)-DP-HR-DT 2.0	1	○	●	GenUSB	●	●	215 x 44 x 222
A1120744	VisionXS-CON-F(S+)-DP-HR-U-DT 2.0	1	○	○	USB 2.0	●	●	215 x 44 x 222
A1120740	VisionXS-CON-2F(S+)-DP-HR-U-DT 2.0	1	○	●	USB 2.0	●	●	215 x 44 x 222
A1120748	VisionXS-CON-F(S+)-DP-HR-U2-DT 2.0	1	○	○	USB 2.0 separate	●	●	215 x 44 x 222
A1120736	VisionXS-CON-F(S+)-DP-HR-DH-DT 2.0	2	○	○	GenUSB	●	●	215 x 44 x 222
A1120732	VisionXS-CON-2F(S+)-DP-HR-DH-DT 2.0	2	○	●	GenUSB	●	●	215 x 44 x 222
A1120724	VisionXS-CON-F(S+)-DP-HR-DH-U-DT 2.0	2	○	○	USB 2.0	●	●	215 x 44 x 222
A1120720	VisionXS-CON-2F(S+)-DP-HR-DH-U-DT 2.0	2	○	●	USB 2.0	●	●	215 x 44 x 222
A1120728	VisionXS-CON-F(S+)-DP-HR-DH-U2-DT 2.0	2	○	○	USB 2.0 separate	●	●	215 x 44 x 222

Enclosure

The VisionXS 2.0 features a powder-coated sheet steel enclosure (color RAL 9006 White Aluminum with fine-texture metallic finish) with protection class IP20. It is available in the following enclosure sizes (H × W × D):

Compact enclosure

115 mm x 32 mm x 222 mm



Desktop enclosure (DT, ½ 19")

215 mm x 44 mm x 222 mm



Operating conditions

- Area of application: Indoor use
- Operating temperature: 5°C to 45°C
- Operating air humidity: 20% to 80%, non-condensing
- Max. operating altitude: 3048m above sea level
- Storage temperature: -20°C to 60°C
- Storage air humidity: 15% to 85%, non-condensing
- Conformities: CE, FCC, UKCA, EAC, TAA, WEEE, REACH, RoHS

Scope of delivery – compact computer modules

Important: Requires an additional external power supply.

Note: Fiber variants (F / 2F) include the required SFP transceivers (M / S / S+).

Quantity	Item no.	Name	Description
1	A3110017	Audio adapter cable, 1x 3.5mm jack plug to 2x 3.5mm jack socket	Adapter to split analog audio speaker and microphone
2	A6300083	Audio-M/M-2-ferrite cable 2m	Audio connection cable with ferrite core
1*	A6300173	DP1.4-Cable-M/M-2 SK13357 2m	Single cable to connect a DisplayPort video channel (DP1.4)
1	A6200112	TypeC-Service-Cable-M/M-2, 2m, USB Type-A / Type-C	Cable for system updates and configuration

*Two cables are included with DH variants.

Additional scope of delivery – computer modules in desktop enclosures (DT)

Note: Desktop enclosure variants can be operated using the internal power supply.

Redundant power supply can be realized with an additional external power pack.

Quantity	Item no.	Name	Description
1	A6300023	RS232-M/F-2 cable RS232 2m	Cable to connect a serial device
1	According to the shipping region	PowerCable 2m	Cable to connect the power supply

Scope of delivery – console modules in desktop enclosures (DT)

Note: Desktop enclosure variants can be operated using the internal power supply.

Redundant power supply can be realized with an additional external power pack.

Fiber variants (F / 2F) include the required SFP transceivers (M / S / S+).

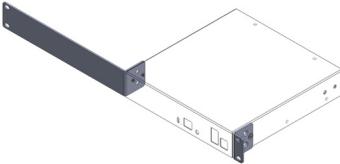
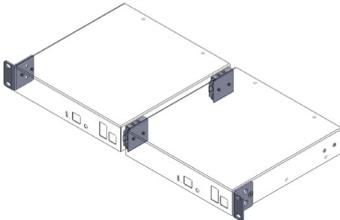
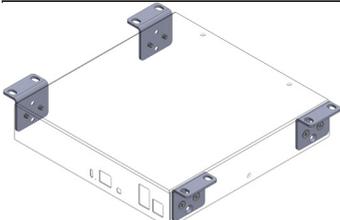
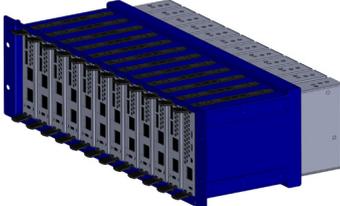
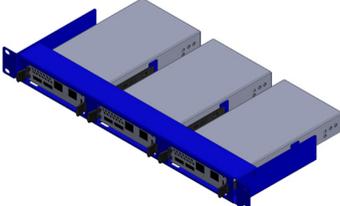
Quantity	Item no.	Name	Description
1	A3110017	Audio adapter cable, 1x 3.5mm jack plug to 2x 3.5mm jack socket	Adapter to split analog audio speaker and microphone
1	According to the shipping region	PowerCable 2m	Cable to connect the power supply

Additional available cables

Note: Further country-specific cables available on request.

Item no.	Name	Description
A6300118	Audio-M/M-3-ferrite cable 3m	Audio connection cable with ferrite core
A6300085	Audio-M/M-5-ferrite cable 5m	Audio connection cable with ferrite core
A6300174	DP1.4-Cable-M/M-3 SK13358 3m	Single cable to connect a DisplayPort video channel (DP1.4)
A6300175	DP1.4-Cable-M/M-5 SK13359 5m	Single cable to connect a DisplayPort video channel (DP1.4)
A6300024	RS232-M/F-3 cable RS232 3m	Cable to connect a serial device
A6300025	RS232-M/F-5 cable RS232 5m	Cable to connect a serial device
A6300066	PowerCable-3 Standard cable 3m	Cable to connect the power supply type Germany
A6300065	PowerCable-5 Standard cable 5m	Cable to connect the power supply type Germany
A6100173	TS-LED-blue-R-2	LED to tag the active console of a TradeSwitch configuration of a matrix
A6100172	TS-LED-blue-R-3	LED to tag the active console of a TradeSwitch configuration of a matrix
A6100171	TS-LED-blue-R-5	LED to tag the active console of a TradeSwitch configuration of a matrix
A6300177	PowerCable-C5-3 DE 3m	Cable to connect the external power supply type Germany
A6300178	PowerCable-C5-5 DE 5m	Cable to connect the external power supply type Germany

Mounting solutions

Figure	Item no.	Name	Description
	A7000073	19" RM-Set-VXSdT2.0-1RU	19" extension for rack mounting of one VisionXS(-IP) 2.0 desktop device within 1U (44 mm height)
	A7000071	19" RM-Set-VXSdT2.0-Twin-1RU	19" extension for combined rack mounting of two VisionXS(-IP) 2.0 desktop devices within 1U (44 mm height)
	A7000076	Table-Mount-Set-VXS2.0-436_MP12TypeC	Fastening kit for under desk mounting of devices of VisionXS 2.0 and VisionXS-IP 2.0 series as well as MultiPower-12-TypeC devices
	A7000075	19" DeviceCarrier 3RU 12x115mm for VisionXS(-IP) 2.0 variants	Device carrier for combined rack mounting of up to 12 compact VisionXS(-IP) 2.0 devices within 3U
	A7000074	19" DeviceCarrier 1RU 3x115mm for VisionXS(-IP) 2.0 variants	Device carrier for combined rack mounting of up to 3 compact VisionXS(-IP) 2.0 devices within 1U

External power supply

External power supply for the VisionXS 2.0 series is provided via USB Type-C PD (Power Delivery). Besides the universal external power adapter, the new MultiPower-12-TypeC allows centralized and redundant power supply. It further supports network-based control, monitoring, and updates, as well as intelligent energy management with automatic load balancing.

Figure	Item no.	Name	Description
	A4110063	PowerPack USB PD TypeC max. 65W 5V-20V	USB TypeC power supply with power delivery, max. 65W, 5V-20V, incl. power cable (Type according to the shipping region)
	A4110064	MultiPower-12-TypeC	Central power supply for up to 12 devices with USB Type-C PD interface. Max. total power 270W, max. 60W per port. Max. 22.5W per port if operating 12 identical devices.