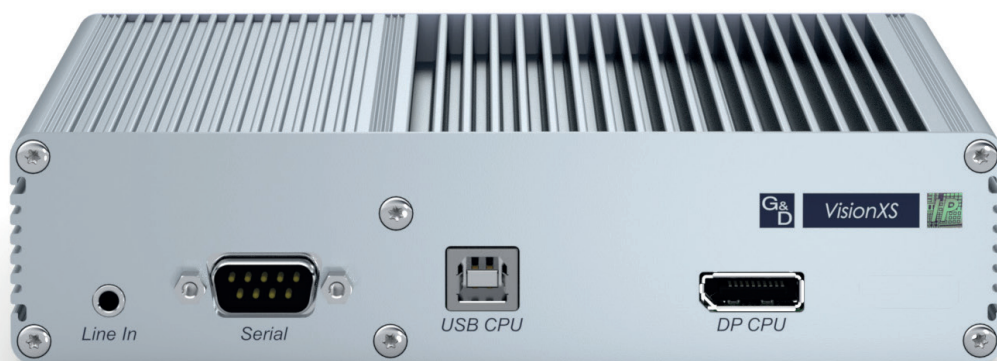




# Product Data Sheet

## G&D VisionXS IP-CPU-C-DP-UHR-AR-DT

### Description



The VisionXS-IP-DP-UHR series KVM-over-IP extenders, extend high-resolution 4K video signals at 60 Hz over IP-based standard networks (1Gbit/s up to 10Gbit/s , OSI layer model Layer 3).

Due to the significantly lower space requirement and the appropriate mounting solutions, the available space (especially in the rack) can be optimally used.

DisplayPort1.2 image data is processed with pixel perfection and very good hand-eye coordination.

An extender system consists of a computer module (CPU) and user module (CON) and enables a computer to be operated from a greater distance.

Please contact Argosy for a quotation: +44 (0)1844 202101 / [sales@argosycable.com](mailto:sales@argosycable.com)

| Product                            | SKU        |
|------------------------------------|------------|
| G&D VISIONXS IP-CPU-C-DP-UHR-AR-DT | RA-1110262 |



# Product Data Sheet

## G&D VisionXS IP-CON-C-DP-UHR-AR-DT

### Key Benefits

#### Video

- blue dec™ – advanced compression level of the latest generation for the best video quality and latency-free transmission

| Resolution up to: | 4096 x 2160:      | 2560 x 1440: | 1920 x 1080:           |
|-------------------|-------------------|--------------|------------------------|
|                   | 60 Hz (4K2K/60Hz) | 144 Hz       | 240 Hz (Full HD/240Hz) |

#### Signals

- Encrypted video, keyboard, mouse and control data (AES-128)
- Transparent audio signals (stereo, analogue)
- Embedded stereo audio (DisplayPort Digital, 2-channel LPCM)
- Transparent RS232 (max. 115,200 bps)
- GenericUSB support for USB classes HID (Human Interface Device) and mass storage
- The product allows the use of a GenericUSB device via a user module. For this, both the user module used and the computer module used must support the use of a GenericUSB device.

#### Transmission

- Via CAT-x cable and within IP-based standard networks (layer 3)
- KVM-over-IP™

#### Device

- Efficient assembly solutions without a lot of screwing work save space, time and money
- Particularly small design

#### Service

- Multilingual on-screen display for configuration and operation
- Web application Config Panel 21 for configuration, monitoring and updates (NEW: in other languages)



# Product Data Sheet

## G&D VisionXS IP-CPU-C-DP-UHR-AR-DT

### Technical Specification

#### G&D VisionXS IP-CPU-C-DP UHR-AR-DT Specification

|   |  |
|---|--|
| <b>Transmission</b>   | 1920 × 1200 (60Hz)   |
| <b>KVM-over-IP™ transmission: Yes</b>   | 1920 × 1080 (240Hz)  |
| <b>Number of transmission channels: 1</b>                                       | 1920 × 1080 (60Hz)   |
| <b>Redundant transmission channels: optional redundant KVM transmission</b>     | Other VESA and CTA standardised resolutions possible within the framework of the pixel rate and horizontal/vertical frequency. |
| <b>Range: 100 meters</b>  | <b>Audio 1</b>   |
| <b>KVM matrix systems component: calculator module</b>                          | <b>Transmission type: Stereo, clear</b>  |
| <b>Medium: CAT7, CAT6</b>   | <b>Resolutions: 24-bit digital</b>   |
| <b>Data rate: 10Gbps, 1Gbps</b>   | <b>Sampling rate: up to 96kHz</b>  |
| <b>Video Output</b>   | <b>Bandwidth: 22kHz</b>  |
| <b>Number of video channels: 1</b>  | <b>Audio support: Analogue</b>   |
| <b>Format: Display Port 1.2 (LBR, HBR, HBR2, Single Stream Transport (SST))</b> | <b>Audio 2</b>   |
| <b>Colour depth: 24 bit</b>   | <b>Transmission type: Stereo, 2-channel LPCM</b>   |
| <b>Pixel encoding: RGB 4:4:4 (24bpp / 8bpc)</b>                                 | <b>Resolutions: 24 bits, 20 bits, 16 bits</b>  |
| <b>Pixel rate: 25 Mpixel/s to 600 Mpixel/s</b>                                  | <b>Sampling rate: up to 48kHz</b>  |
| <b>Vertical frequency: 24Hz to 240Hz</b>  | <b>Audio support: digital embedded</b>   |
| <b>Horizontal frequency: 25kHz to 295kHz</b>                                    | <b>USB</b>   |
| <b>Resolution examples: 4096 × 2160 (60Hz)</b>                                  | <b>Specification: USB2.0</b>   |
| 3840 × 2160 (60Hz)  | <b>GenericUSB support: 1 device</b>  |
| 2560 × 1600 (60Hz)  | <b>Medium: embedded</b>  |
| 2560 × 1440 (144Hz)   | <b>Transfer rate: 8.5 Mbit/s (full speed)</b>  |
| 2048 × 2048 (60Hz)  | <b>USB classes: Mass Storage (MSC / UMS)<br/>Human Interface Device (HID)</b>  |



# Product Data Sheet

## G&D VisionXS IP-CPU-C-DP-UHR-AR-DT

### Technical Specification

| G&D VisionXS IP-CPU-C-DP UHR-AR-DT Specification     |   |
|--|---|
| <b>Serial</b>  | Maximum operating altitude: 3048m above sea level |
| <b>Default:</b> RS232                                | Temperature storage: -20°C to 60°C                |
| <b>Transparent transmission:</b> Yes                 | Humidity storage: 15% to 85% non-condensing       |
| <b>Data rate:</b> 115200 bps                         | MTBF: 200000 hours at 25°C                        |
| <b>Signals:</b> TxD, RxD, RTS, CTS, GND, 5V          | <b>Power Supply 1</b>                             |
| <b>Network</b>                                       | Input voltage: 12VDC                              |
| <b>Medium:</b> CAT5, CAT6, CAT7                      | Power consumption: 1.9 A                          |
| <b>Data rate:</b> 10Mbps, 100Mbps                    | Power consumption idle: 13.4W                     |
| <b>Maintenance</b>                                   | Power consumption max.: 21.1 W                    |
| <b>Update via:</b> Config Panel (Network)            | Heat dissipation idle: 13.4W                      |
| <b>Service port settings:</b> 115200bps (8/N/1)      | Heat dissipation max.: 21.1 W                     |
| <b>Housing</b>                                       | <b>Power Supply 2</b>                             |
| <b>Material:</b> Anodized aluminum                   | Input voltage: 100-240VAC                         |
| <b>Size:</b> W 170mm H 39.8mm D 184mm                | Input frequency: 60-50Hz                          |
| <b>IP protection class:</b> IP20                     | Power consumption: 0.5-0.3 A                      |
| <b>Weight:</b> approx. 1.28 kg                       | Power consumption idle: 14.9 W                    |
| <b>Operating Conditions</b>                          | Power consumption max.: 22.7 W                    |
| <b>Temperature operation:</b> 5°C to 35°C            | Heat dissipation idle: 14.9 W                     |
| <b>Humidity operation:</b> 20% to 80% non-condensing | Heat dissipation max.: 22.7 W                     |
| <b>Area of use:</b> interior                         |   |



# Product Data Sheet

## G&D VisionXS IP-CON-C-DP-UHR-AR-DT

### Standards

Product safety 2001/95/EC

EAC TR CU 020/2011 Declaration

EAC TR CU 004/2011 Declaration

EAC TR CU 037/2016 Declaration

Prohibited substances RoHS 2011/65/EU

EMC Directive 2014/30/EU

EN55032 (CISPR 32) - EMC emission

EN55024 EMC immunity

EN61000-3-3 - EMC flicker

EN61000-3-2 - EMC current

harmonics EN61000-6-2 - EMC extended

Interference immunity Industry

Low Voltage Directive 2014/35/EU

EN62368 - Safety

FCC CFR 47 part 15 subpart B cl. B