



- For regular demands in HD
- 1080p from sensor to display
- Mid range
- For max. 4 Cameras
- Additional features possible: Audio, LAN, DVR/NVR or ICT/WDR/LTE in case of difficult light conditions

## MODULAR HD CONTROLLER

High definition (HD) cameras require controllers that can handle the high speed digital signals necessary to transmit high resolution videos in an uncompressed format (HD-SDI resp. 1080p) from sensor to display.

The regular controllers of the HDCon4 series convert the optical signals received from the cameras into electrical signals and enable the remote control of up to four full HD cameras (zoom, focus, pan, tilt) and one audio channel. All audio, video, and control signals are transmitted via fibre optic cables. Each controller has several output (HD-SDI and HDMI) to connect multiple devices in parallel (Monitor, DVR/NVR).

Thanks to our modular concept, external devices like DVR /NVR can be connected to record videos of the cameras as well as control the cameras if PELCO-D protocol is supported at DVR/NVR's software.

In addition, PONTIS audio satellite units can be connected to enable uni- or bi-directional communication.

In case of difficult light conditions (e.g., when observing low-light displays or scenes with brightness contrast) a special -ICT version is available to manually control the aperture of the iris.

## FEATURES:

- For PONTIS EMC HD cameras (HDCam5/6/7)
- Fibre optic transmission of video and control signals
- Support of up to 4 cameras per controller
- Manual control of cameras Pan-Tilt and Zoom via Front keypad with self explaining buttons.
- Full HD (1080p) HD video signals , HD-SDI
- Compact housing: Desktop or Rack version (2 or 3 HU x 450 x 370 mm)

## ACCESSORIES:

### required:

- 1 x HD Camera with power supply and Fibre optic cables

### optional:

- Audio integration into Controller
- DVR : via external DVR (digital video recorder)
- LAN: via external NVR (network video receiver)
- ICT: integration of SW for difficult light conditions  
Manual Iris control (aperture control / F-Stop),  
Wide dynamic range WDR , Long Time Exposure LTE
- Monitor: HDMI or HD-SDI
- Joystick

## TECHNICAL DATA

HDCon4 is available in the following variants:

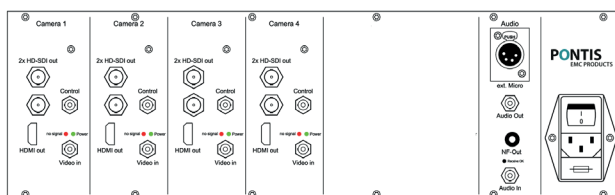
Controller name	Number of video channels	Number of audio channels	Difficult light conditions (man. ICT)
HDCon420n	n: 1, 2, 3, 4	0	0
HDCon420n_AUD	n: 1, 2, 3, 4	1	0
HDCon420n_ICT	n: 1, 2, 3, 4	0	1
HDCon420n_ICT_AUD	n: 1, 2, 3, 4	1	1

Power supply	100 V – 240 VAC, 250 W max / 50/60 Hz 2A
Camera control	Microprocessor
Videosignal transmission	1310 nm
Control line	850 nm
Fibre Optic cables	50/125 µm fibre optic with ST-connectors, duplex
Audio transmission	850 nm
Audio out / Audio in	Cinch socket / XLR socket for ext. .Micro
Video Out (Monitor or external devices)	2 x HD-SDI ( BNC 75 Ohm ) , 1 x HDMI
Temperature	-10 °C to +50 °C
Humidity	20 to 85 % RH
Housing 19"	EMC protective, 2/3 height units x 450 x 370 mm (HxWxD) Desktop or Rack housing

Option: external DVR / NVR Video Signal

- DVR: with BNC 75 Ohm input to connect to the HDCon4.
- Cable to transmit the video signals from the controller to the DVR: 75 Ohm BNC



Prices and specifications are subject to change without notice!

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