

DDZ4010-YY/HS/HD DOMERA®



Available shortly!



DOMERA®
High-Definition

DOMERA® is a modular high-speed PTZ dome system.

The high-resolution high-definition Cam_inPIX® colour dome camera DDZ4010-YY/HS/HD with 10x optical zoom is available in different mounting variants (in-ceiling, surface, weather-proof).

- 1/3" full high-definition CMOS sensor with Cam_inPIX® technology
- Pure Digital Signal Processing
- High definition high-speed PTZ dome with 10x optical zoom
- Additional 12x digital zoom
- ICR function for Day/Night switching
- Enhanced image quality by means of numerous control functions like AWB, AGC, BLC and extended slow shutter
- Auto-focus with manual override
- Resolution: SD, HD (720p, 1080i, 1080p) frame rate up to 50 fps ¹⁾
- Video compression: MJPEG, H.264
- Simultaneous multi-streaming with freely selectable resolutions, frame rate and bit rate of each stream
- Integrated smart zoom functionality
- Motion detection with selectable sensitivity integrated
- High-performance Pan/Tilt/Zoom mechanism
- Local video memory (USB/SD port)
- Integrated 64MB RAM video buffer
- 248 programmable preset positions, 16 programmable tours
- Three mounting appliances with integrated IP I/O interface available: in-ceiling, surface and weather-proof variant
- Easy and quick installation
- DIN EN 50130-4 compliant

¹⁾ Depending on the resolution

Variants	
Item number	
200.03.025	DDZ4010-IM/HS/HD DOMERA® 1080p / Day-Night / 10x optical zoom / high definition / high-speed / clear bubble / in-ceiling mount variant
200.03.026	DDZ4010-SM/HS/HD DOMERA® 1080p / Day-Night / 10x optical zoom / high definition / high-speed / clear bubble / surface mount variant
200.03.027	DDZ4010-WM/HS/HD DOMERA® 1080p / Day-Night / 10x optical zoom / high definition / high-speed / clear bubble / weather-proof variant

Options	
Item number	
200.401.4.51.02	Ceiling mount bracket, for weather-proof housing / white
200.401.4.52.02	Wall mount bracket, for weather-proof housing / white
200.401.4.53.02	Corner bracket, for wall mount bracket for weather-proof housing / white
200.401.4.54.02	Pole bracket, for wall mount bracket for weather-proof housing / white
200.622	Wall mount bracket, for PTZ domes surface mount variant / black
129.303	VSC-1 (Video System Controller), for the control of analogue cameras at the recorder
200.510	DPU-480W Dallmeier Power Supply Unit, 24/28V AC for the supply of up to 20x cameras

Technical specifications

Sensor	1/3" Full High-Definition CMOS sensor with Cam_inPIX®
Signal processing	Digital Signal Processing
Image capture	Interlaced
Transfer format	Interlaced or Progressive Scan
Image resolution	Up to 1920 x 1080 (Full HD, native resolution)
B/W and colour mode	Automatic / manual
Day/Night functionality	Mechanical ICR function for Day/Night switching
Light sensitivity	At F1.8, 30 IRE: 2 lux; (-DN) 0.2 lux
Zoom	Optical: 10x, digital 12x
Focus	Automatic, one push, manual
Flip function	Available
Shutter speed	1/2 s to 1/10000 s (in 21 steps)
Signal to noise ratio (SNR)	> 50 dB
Digital noise reduction (DNR)	On/Off
Brightness adjustment (ALC/AE)	Automatic / manual
Backlight compensation (BLC)	On/Off
Automatic gain control (AGC)	Automatic / manual (-3 to +18 dB in 8 steps)
Gamma correction	Automatic / manual
Adjustable white balance	AWB, MWB, One push WB, Indoor, Outdoor
AE presets	6 presets
Configuration	Via web browser
Languages	English, spanish, german
Motion detection (VMD)	With selectable sensitivity
Alarm notification	Via e-mail and ftp upload
SmartZoom	Integrated

Functions

Pan/ Tilt	360° endless / 0° - 180°
Variable speed	Pan:120°/s, tilt:120°/s (Turbo: 420°/s)
Preset speed	Pan: 420°/s, tilt:420°/s (+/- 0,1°)
Programmable preset positions	248 positions
Programmable tours	16 (8 tours, 8 pattern)
Auto Scan, auto pan	16 scans, 1 pan

Lens specifications

Iris range/ focus length range	F 1.8 – F2.1/ 5,1-51mm
Iris control	DC auto iris
Horizontal angle of view	Approx. 50° - 5,4°
IR filtering	Included IR Cut filter

Format and coding

Video/audio compression	H.264, MJPEG / G.722, MPEG-1 Layer 2
Frame rate	Up to 50 fps (depending on resolution)
Video/audio bit rate	Up to 16 Mbps (6 Mbps typical) / up to 384 kbps
Resolution	SD, HD (720p, 1080i, 1080p)
Video streaming	Multi streaming simultaneous: H.264 and MJPEG with independently adjustable resolutions, frame and bit rates of the individual streams
Multi streaming frame rate	Up to 25 fps with maximal resolution

Interfaces

Video outputs	1x CVBS/3,5 mm phone jack (preview: analogue SD output)
Audio inputs	1x 3.5 mm phone jack (Line IN, stereo)
Audio outputs	1x 3.5 mm phone jack (stereo)
Ethernet	1 x RJ45, 10BASE-T-/100BASE-TX-PoE
Ethernet protocols	Unicast: IPv4, TCP, HTTP, IGMP, DHCP, ARP, NTP, UDP Multicast: UDP, RTP, RTCP
Local video memory	Via integrated USB-/SD-port
Video buffer	64MB RAM ring storage (pre- and post alarm, network failure compensation)
Contact IN / relay OUT	3x IN / 1x OUT
Serial	1x RS485 (full-duplex)
Programming interface	Open API for 3rd party systems integration via Dallmeier ActiveX*

Further specifications

Video norm	HDTV, SDTV (PAL/NTSC)
Voltage supply	24/28V AC +/- 10% (50/60 Hz)
Power consumption	DDZ4010-IM/HS/HD: max. 25 W DDZ4010-SM/HS/HD: max. 25 W DDZ4010-WM/HS/HD: max. 59 W
Dimensions	DDZ4010-IM/HS/HD: ca. Ø 227 x H 208 mm DDZ4010-SM/HS/HD: approx. Ø 155 x H 206 mm DDZ4010-WM/HS/HD: approx. Ø 259 x H 330 mm
Weight	DDZ4010-IM/HS/HD: approx. 2025 g DDZ4010-SM/HS/HD: approx. 1755 g DDZ4010-WM/HS/HD: approx. 4425 g
Operating temperature	Surface mount variant (indoor): -10°C - 40°C In-ceiling mount variant (indoor): 0°C - 35°C Weather-proof variant (outdoor): -30°C - 50°C
Humidity	0% - 90% RH non-condensing
IP rating	IP67 (weather-proof variant)
Approvals/certifications	CE, FCC, UL, ACA, CB, DIN EN 50130-4