DDZ3026-YY/HS/IP DOMERA®

High-Speed IP Network PTZ Dome Camera, SD, 480 HTVL, 26× Optical Zoom, Auto-focus, Day/Night

DOMERA®
IP

Onvif

DIN
DIN EN 50130-4

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

The IP network PTZ dome camera DDZ3026-YY/HS/IP with 26× optical zoom and auto-focus provides real-time SD video (PAL/NTSC).
It is available in two mounting variants (in-ceiling mount, surface mount) and designed for indoor use.

Features

- 1/4" EXview HAD CCD* image sensor
- Horizontal resolution: 480 HTVL
- Pure Digital Signal Processing
- High-speed PTZ dome
- 26× optical zoom
- 12× digital zoom
- ICR[1] function for Day/Night switching
- Comprehensive set of image optimization functions like AWB, AGC, BLC and Slow Shutter
- Auto-focus with manual override
- Resolution: SD (NTSC/PAL) up to Full D1
- Video compression: MPEG-2, MPEG-4, MJPEG
- Frame rate up to 30 fps

- Privacy Zone Masking (hiding/masking of up to 8 protected areas)
- Motion detection with selectable sensitivity
- Alarm notification via DaVid protocol, e-mail and FTP image upload
- 64 MB RAM video buffer
- Hybrid IP camera with analogue preview output
- High-performance Pan/Tilt/Zoom mechanism
- 248 programmable preset positions, 16 programmable scans
- 16 programmable tours (8 tours, 8 pattern)
- Two available mounting variants (IP I/O interface integrated): in-ceiling mount (IM) and surface mount (SM)
- Easy and quick installation
- ONVIF compliant
- DIN EN 50130-4 compliant

Variants	
000458.000468.401 NTSC: 000458.000468.402	**DDZ3026-IM/HS/IP DOMERA®** High-speed IP network PTZ dome camera, PAL, SD, 480 HTVL, 26× optical zoom, Day/Night, in-ceiling mount variant
000478.000467.401 NTSC: 000478.000467.402	**DDZ3026-SM/HS/IP DOMERA®** High-speed IP network PTZ dome camera, PAL, SD, 480 HTVL, 26× optical zoom, Day/Night, surface mount variant

Options	
001081	**Wall Mount Bracket Indoor** Wall mount bracket, indoor, black, for DOMERA® SD surface mount variant
001035	**Tinted Bubble** White cover ring, for DOMERA® SD/HD in-ceiling mount variant
001431	**EvC-1** High-Speed Ethernet data transmission via coaxial cable
001677	**Power Supply Unit (240 V AC -> 24 V AC)** 1000 mA, Europlug
001717	**VSC-1** Video System Controller for controlling of PTZ dome cameras at DMS or DLS recorders
002192	**VMC Joystick (with 200 cm USB cable)** Joystick module of the VMC-1 control panel as stand-alone device

1) ICR = IR Cut Filter Removable

DDZ3026-YY/HS/IP DOMERA®

High-Speed IP Network PTZ Dome Camera, SD, 480 HTVL, 26× Optical Zoom, Auto-focus, Day/Night

Specifications

Sensor

Type	1/4" EXview HAD CCD image sensor
Effective pixels	PAL: 752 × 582 pixels (approx. 440000 pixels)
	NTSC: 768 × 494 pixels (approx. 380000 pixels)
Horizontal resolution	480 HTVL
Signal processing	Pure Digital Signal Processing
Image capture	Interlaced
Minimum illumination	ICR[2] Off: 1.0 lux (F1.6, PAL: 1/50 s or NTSC: 1/60 s)
	ICR On: 0.01 lux (F1.6, PAL: 1/3 s or NTSC: 1/4 s)
Signal to noise ratio (SNR)	More than 50 dB

Lens

Type	F1.6 – F3.8 / f = 3.5 mm – 91.0 mm (26× optical zoom)
Aperture control	Autoiris
Horizontal angle of view	Approx. 54.2° (wide end) to 2.2° (tele end)

Functions

Digital zoom	12× (312× with optical zoom)
Focus control	Auto-focus (AF sensitivity: Normal, Low), One-Push AF, Manual, AF near limit selectable
Wide Dynamic Range (WDR)	--
Day/Night switching	ICR function
Black-and-white mode	Automatic, Manual
Electronic (slow) shutter	1/1 to 1/10000 s (22 steps)
Exposure control	Automatic (AE), Manual, Shutter Priority, Iris Priority, Bright
Brightness control	Automatic (ALC), Manual
Gain control	Automatic (AGC), Manual (−3 to +28 dB, 16 steps)
Digital Noise Reduction (DNR)	3D DNR
White balance (WB)	Auto (AWB), ATW (Auto Tracing White Balance), Indoor, Outdoor, One-Push, Manual
Backlight compensation (BLC)	On / Off
Flip function	Yes
Privacy Zone Masking	Hiding/Masking of up to 8 protected areas (Block, Video Off)
Motion detection (VMD)	With selectable sensitivity (5 levels)
Alarm notification	Via DaVid protocol (Dallmeier Video Protocol) to PGuard advance, e-mail, FTP image upload
Alarm trigger	Motion detection, video signal loss
Configuration IP I/O interface	With web browser
Configuration/control PTZ dome camera	Via OSD[3] with SMAVIA Viewing Client, Dallmeier recorder
Languages	English, German, French, Spanish, Italian

PTZ Functions

Pan / Tilt	360° continuous / 0° – 180°
	Variable speed: 0.1° – 105°/s (proportional to zoom)
	420°/s (with Turbo key pressed)
	Preset speed: 420°/s
Programmable presets	248 positions with camera status (16-character title)
Programmable scans	16 scans (including diagonal scans), 1 Auto Pan (360° continuous panning)
Programmable tours	8
Programmable pattern	8 (total up to 480 seconds)

Format and Encoding

Video standard	SDTV (PAL/NTSC)
Resolution	PAL: QCIF, CIF, 2CIF, Half D1, 4CIF, Full D1
	NTSC: QSIF, SIF, 2SIF, Half D1, 4SIF, Full D1
Video compression	MPEG-2, MPEG-4, MJPEG
Audio compression	MPEG-1 Layer 2
Frame rate	PAL: 6.25 / 12.5 / 25 fps
	NTSC: 7.5 / 15 / 30 fps
Video bit rate	0.25 – 8 Mbps, CBR (constant bit rate)
Audio bit rate	32 – 160 kbps
Transfer format	Progressive (full image)
Live streaming transmission method	Unicast, Multicast

2) ICR = IR Cut Filter Removable
3) OSD = On Screen Display

DDZ3026-YY/HS/IP DOMERA®

High-Speed IP Network PTZ Dome Camera, SD, 480 HTVL, 26× Optical Zoom, Auto-focus, Day/Night

Specifications

Interfaces
Audio IN (stereo)	1× 3.5 mm phone jack (Line IN)
Video OUT	1× Cinch (CVBS, analogue video preview output, for local installation only)
Ethernet	1× RJ45, 10BASE-T-/100BASE-TX
Programming interface	Open API for 3rd party systems integration via Dallmeier control for ActiveX* (ONVIF compliant)

Protocols
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, FTP, SMTP, RTP, RTCP
PTZ control protocols	Dallmeier DCCP, Pelco D

Miscellaneous
Video buffer	64 MB RAM ring storage (pre- and post alarm, network failure compensation)

Electrical Data
Voltage supply	24/28 V AC ±10% (50/60 Hz)
Power consumption	Max. 24 W

Mechanical Data
Dimensions	In-ceiling mount variant: approx. Ø 226.5 × H 208 mm (Ø 8.92 × H 8.19 inches) Surface mount variant: approx. Ø 155 × H 206 mm (Ø 6.10 × H 8.11 inches)
Weight	In-ceiling mount variant: approx. 2025 g (4.46 lb) Surface mount variant: approx. 1755 g (3.87 lb)
Colour	In-ceiling mount variant: black housing, white cover ring Surface mount variant: black
Bubble	Clear

Environmental Conditions
Operating temperature	−10°C to +40°C (14°F to 104°F)
Relative humidity	0% − 90% RH, non-condensing

Approvals/Certifications
Type	CE, FCC, UL, ACA, CB, DIN EN 50130-4 compliant

DDZ3026-YY/HS/IP DOMERA®

High-Speed IP Network PTZ Dome Camera, SD, 480HTVL, 26× Optical Zoom, Auto-focus, Day/Night
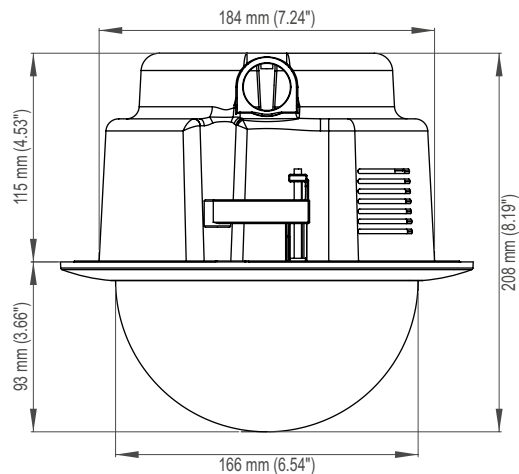
Dimensions

184 mm (7.24")
115 mm (4.53")
208 mm (8.19")
93 mm (3.66")
166 mm (6.54")
Ø 226.50 mm (Ø 8.92")

Fig. 1: In-ceiling mount variant

155 mm (6.10")
148 mm (5.83")
121 mm (4.76")
85 mm (3.35")
150 mm (5.91")
51 mm (2.01")
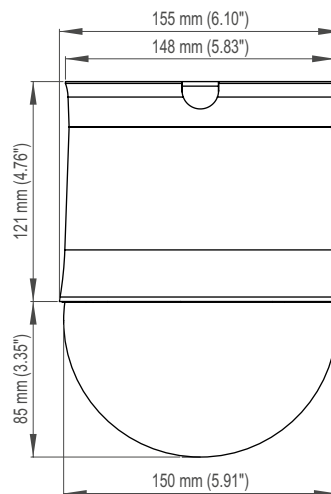25.5 mm (1.0")
44 mm (1.73")
44 mm (1.73")
3× Ø 4.5 mm (Ø 0.18")
57.5 mm (2.26")
20 mm (0.79")

Fig. 2: Surface mount variant