

DDZ3036-WM/HS/A DOMERA®

High-Speed PTZ Dome Camera, SD, 530 HTVL, 36× Optical Zoom, Auto-focus, Wide Dynamic Range (WDR), Day/Night

DOMERA®
Analogue



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

The high-resolution PTZ dome camera DDZ3036-WM/HS/A with 36× optical zoom, auto-focus and Wide Dynamic Range (WDR) provides real-time SD video (PAL/NTSC). It is mounted in a weather-proof housing and designed for outdoor use.

Features

- 1/4" EXview HAD CCD* image sensor
- Horizontal resolution: 530 HTVL
- Pure Digital Signal Processing
- High-speed PTZ dome
- 36× optical zoom
- 12× digital zoom
- ICR¹⁾ function for Day/Night switching
- Comprehensive set of image optimization functions like AWB, AGC, BLC and Slow Shutter
- Auto-focus with manual override
- Wide Dynamic Range (WDR)²⁾
- Resolution: SDTV (NTSC/PAL)
- Privacy Zone Masking (hiding/masking of up to 8 protected areas)
- 8× Contact IN / 2× Relay OUT
- Motion detection with selectable sensitivity
- High-performance Pan/Tilt/Zoom mechanism
- 248 programmable preset positions, 16 programmable scans
- 16 programmable tours (8 tours, 8 pattern)
- UTP support (RJ45): Video signal, control signal and power supply (PTZ camera) via single Cat-5 cable
- Vandal-resistant (IK10) weather-proof housing
- IP67 weather-proof housing (I/O interface integrated)
- Easy and quick installation
- DIN EN 50130-4 compliant

Variants

000480.000476.401 NTSC: 000480.000476.402	DDZ3036-WM/HS/A DOMERA® High-speed PTZ dome camera, PAL, SD, 530 HTVL, 36× optical zoom, WDR, Day/Night, weather-proof variant
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Options

001109	Wall Mount Bracket Outdoor White, for weather-proof housing
001111	Pole Mount Bracket Outdoor, white, for weather-proof housing
001112	Corner Mount Bracket Outdoor, white, for weather-proof housing
003847	Junction Box DJB-115W Outdoor, white, for weather-proof housing
001115	Mounting Plate Outdoor, white, for Wall Mount Bracket Outdoor (surface mounting), for Ceiling Mount Bracket (surface mounting), for Junction Box DJB-115W (corner and pole mounting)
001116	Roof Mount Bracket³⁾ Swan neck, outdoor, white, for weather-proof housing
001117	Ceiling Mount Bracket Outdoor, white, for weather-proof housing
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
 2) Provides enhanced colour reproduction and detail resolution even in scenes with a wide range of contrast and strong backlighting.
 3) Not compatible with item number 003847

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 EXview HAD CCD of Sony Corporation headquartered in Shinagawa, Tokyo, Japan

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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	530 HTVL
Signal processing	Pure Digital Signal Processing
Image capture	Interlaced
Minimum illumination	ICR ⁴⁾ Off: 1.4 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–F4.5/f=3.4 mm–122.4 mm (36× optical zoom)
Aperture control	Autoiris
Horizontal angle of view	Approx. 57.8° (wide end) to 1.7° (tele end)

Functions

Digital zoom	12× (432× with optical zoom)
Focus control	Auto-focus (AF sensitivity: Normal, Low), One-Push AF, Manual, AF near limit selectable
Wide Dynamic Range (WDR)	On/Off
Day/Night switching	ICR function
Black-and-white mode	Automatic (in Night mode)
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)	--
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
Alarm function	Relay OUT status change at motion detection or Contact IN, Automatic execution of stored PTZ functions at Contact IN
Synchronisation	Internal, AC Linelock
Configuration/control PTZ dome camera	Via OSD ⁵⁾ with SMAVIA Viewing Client, Dallmeier recorder
Languages	English

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)

4) ICR = IR Cut Filter Removable

5) OSD = On Screen Display

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Specifications

Interfaces

Video OUT	1× BNC (CVBS, 1.0 V _{p-p} , 75Ω) or via UTP (RJ45 socket)
Contact IN	8×
Relay OUT	2× (selectable as NC/NO)
Serial interface	1× RS485 or via UTP (RJ45 socket)
Power IN (PTZ camera)	Via 24 V AC plug connection or via UTP (RJ45 socket)
UTP connection	1× RJ45 socket (video, RS485, power)

Protocols

PTZ control protocols	Dallmeier DCCP, Pelco D
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Electrical Data

Voltage supply	PTZ camera: power supply unit 1 with 24/28 V AC ±10% (50/60 Hz) Fan/heater: power supply unit 2 with 24 V AC (50/60 Hz), max. 3A
Power consumption	Max. 18 W (max. 82 W with fan/heater)

Mechanical Data

Dimensions	Approx. Ø258.5 × H330 mm (Ø10.18 × H12.99 inches)
Weight	Approx. 4425 g (9.76 lb)
Colour	White
Bubble	Clear
Vandal-resistant	Yes
IK protection	IK10 weather-proof housing, protection against external mechanical impacts (up to 20 joules)
IP rating	IP67 weather-proof housing (IP I/O interface integrated)

Fan/heater

Operation	On: ≤ +5°C (±3°C), Off: ≥ +10°C (±3°C); On: ≤ 41°F (±5°F), Off: ≥ 50°F (±5°F)
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Environmental Conditions

Operating temperature	-40°C to +50°C (-40°F to 122°F) (minimum start-up temperature: -30°C/-22°F)
Relative humidity	0%–90% RH, non-condensing

Approvals/Certifications

Type	CE, FCC, UL, ACA, CB, DIN EN 50130-4 compliant
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Dimensions

