

# DNA1972YM2 D/N IR Vandal PTZ Domes 2MP 25x and 30x Auto Tracking / Analytics



## DESCRIPTION

The DNA1972YM2 Series are 1/2.8" Starvis CMOS 2MP Network IP Day/Night IR PTZ Domes with 25X and 30X Optical, 16X Digital Zoom that represent state-of-the-art, DSP based camera technology. Vandal units are designed with H.265/H.264/MJPEG video compression and configurable triple stream outputs at 25/30fps 2MP (1920x1080). 720p, D1, CIF Resolutions are available providing outstanding quality images under Starlight low illumination - Color 0.005/F1.6/0Lux/IR LED on. Featured are: integrated camera module insert; installs easily into dome housing; connect / disconnect latches, Auto Tracking, built-in intelligent analytics (IVS), IR LEDs for 150m night vision, EIS and Defog. Included are 300 presets, built-in receiver driver, OSD functions, 5 Auto Scan, 5 Patterns and 8 Tours, 24 privacy zones, Optical Zoom, display date/time, compass/tilt angle and true WDR (120dB). With 24VAC/POE, duplex Audio, 2 Alarms in/1 out, Smart Phone Interface, ONVIF, IK10 and IP66, the DNA1972YM2 series IP D/N IR PTZ Domes with Auto Tracking and Analytics are designed to meet demanding, commercial and industrial Network Video surveillance installations.



## FEATURES

- \* Network 2.0MP D/N IR PTZ Dome, IR LEDs 150m
- \* 1/2.8" Starvis CMOS Scan Sensor; 120dB WDR
- \* Illumination Starlight Color 0.005/F1.6/0Lux IR on
- \* H.265/H.264/MJPEG, triple stream Encoder
- \* 2.0MP with 25x, 30x Optical, 16x Digital Zoom
- \* Selectable HD Video Modes, Frame Noise reduction
- \* Auto Tracking with Alarm Trigger Events
- \* Analytics: Tripwire(line cross), Perimeter protection, Loitering, Abandoned Objects, Missing Objects, Face detection, Scene Change, Camera Tamper
- \* Supports RTP/RTSP Unicast/Multicast
- \* Variable Bit Rate and Constant Bit Rate
- \* OSD: D/N, AGC, WB, WDR, 3DNR and EIS
- \* 300 Presets, Auto Pan, 24 Privacy Zones
- \* Programmable 5 Auto Scan, 5 Patterns; 8 Tours
- \* 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- \* 2 Alarms in, 1 Alarm out, 1 Audio input/1 output
- \* Smart Phone Interface: iPhone and Android
- \* Aluminum Housing with Heater, Defogger, Sunshield
- \* Available 24 VAC input Voltage, POE+(802.3at)
- \* Ethernet, Surge Protection; Micro SD Card (128GB)
- \* Compliance CE, FCC, ROHS, ONVIF, IK10 IP66

## APPLICATIONS

- \* Homeland Security
- \* Correctional Centers
- \* Petrochemical Industry
- \* Corporate and Banking
- \* Casinos and Hospitality
- \* Health Care Centers
- \* Schools and Universities
- \* Government and Military
- \* Power Generating Plants
- \* Traffic Surveillance (ITS)

## ORDERING INFORMATION

DNA1972YM22CA5V IP IR PTZ Dome 2MP 25X, D/N, Bracket mount, IR LEDs 150m, IK10, 24VAC/POE  
DNA1972YM23CA5V IP IR PTZ Dome 2MP 30X, D/N, Bracket mount, IR LEDs 150m, IK10, 24VAC/POE



# DNA1972YM2

## D/N IR Vandal PTZ Domes

### 2MP 25x and 30x

#### Auto Tracking / Analytics



#### Video Specifications

Camera ID range: 1-255  
S/N Ratio: >55dB

#### Audio Specifications

Audio Input/Output: 1 / 1  
Audio Compression: G.711a

#### Data Specifications

LAN Interface: 10/100Mbps Ethernet RJ-45  
Baud Rate/Protocol: 2400, Pelco D

#### General Parameters

Auto Pan: 0°~360°, 5 auto scan routes  
Programmable Presets: 300 with titles  
Tours/Patterns/Scans: 8 / 5 / 5  
Privacy Masking Zones: 24  
Alarm Input/Output: 2 / 1  
Auto Flip Function: 180° Tilt

#### Electrical Parameters

Input Voltage/Cons.: 24VAC 13W, 23W IR on  
IR Distance: 150 meters

#### Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield  
Manual Pan Speed: 0.1° ~ 300°/sec/max  
Manual Tilt Speed: 0.1° ~ 200° /sec/max  
Preset Speed: 400° per sec Pan/300° /sec Tilt  
Rotation travel: Pan 360° continuous  
Tilt Travel: -15° ~ +90°  
Motor: Stepping type  
Fan and heater: Continuous fan; auto-start heater  
Dimensions H x Dia.: 12.2"(310mm), 7.35"(186mm)  
Weight: 7.9lbs (3.5Kg)

#### Environmental Parameters

Oper. Temperature Indoor: 32°F~122°F(0°C~50°C)  
Oper. Temperature Outdoor: -40°F~140°F(-40°C~60°C)  
Storage Temperature: -40°F~158°F (-40°C~70°C)  
Humidity: 0~95% (Non-condensing)

#### Regulatory Compliance

Agencies: CE, FCC, ROHS, ONVIF, IK10, IP66  
Manufactured to: ISO9001

Camera Parameters	DNA1972YM22 – 25X	DNA1972YM23 – 30X
Image Sensor	Progressive Scan 1/2.8" Starvis CMO WDR	Progressive Scan 1/2.8" Starvis CMO WDR
Effective Pixels	2.0M (1920 x 1080)	
Scanning System:	Progressive	
Resolution (H) Pixels:	1080P / 720P / D1(704x576/704x480)	
Min. Illum. F1.6, 30 IRE:	0.005Lux/F1.6 / 0Lux/F1.6 IR On	
Frame Rate:	1080P/720P(130fps); D1(1~30fps)	
Optical / Digital Zoom:	25X (4.8mm ~ 120mm) / 16X	30X (4.5mm ~ 135mm) / 16X
View Angle: Wide x Tele	59.2°(Wide) ~ 2.4°(Tele)	67.8°(Wide) ~ 2.4°(Tele)
F-value:	F1.6 (wide) – F4.4 (telephoto)	F16 (wide) – F4.4 (telephoto)
Focus Control:	AUTO IRIS/Manual (Far/Near)	
Signal to Noise Ratio:	> 55dB	
Day / Night:	Auto(ICR), Color, B/W	
Noise Reduction:	Ultra DNR 2D/3D	
Privacy Masking:	ON/OFF (up to 24 areas)	
Electronic Shutter:	1/1 to 1/30,000 /s	
Analytic Functions:	Motion Detection, Line Crossing	
BLC:	BLC /HLC / WDR (120dB)	
White Balance:	Auto, ATW, Indoor, Outdoor, Auto	
Gain Control:	Auto / Manual	
<b>Encoder/Parameters</b>	<b>DNA1972YM2</b>	
Video Compression:	H.265/H.264/MJPEG, Triple Stream, Configurable	
LAN Interface:	10/100 Mbps RJ-45 Port	
Output Bit Rate:	Variable Bit Rate (VBR) & Constant Bit Rate (CBR)	
Network Interface:	10/100 Mbps RJ-45 Port; Status and Network LEDs	
Wireless Network:	IEEE 802.11a/b/d/e/g/h/i, 802.11n	
Network Protocol:	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, POE	
Web Server:	Intuitive Browser Interface, Internet Explorer	
Operating System:	Compatible with DNA3700, DNA3750, DNA3800, DNA4000, DNA5000 Series NVR Appliances; WIN 8 / WIN 10 / WIN SERVER	
CPU Requirement:	Intel Core 4 Quad 2GHz or higher	

