

DNA1973YM41 D/N IR PTZ Domes 4MP 12x Optical Zoom Analytics



DESCRIPTION

The DNA1973YM41 Series are 1/3" CMOS 4MP Network IP Day/Night IR PTZ Domes with 12X Optical, 16X Digital Zoom that represent state-of-the art, DSP based camera technology. Units are designed with H.265/H.264 video compression and configurable triple stream outputs at 25/30fps 4MP (2592x1520). 2MP, 720p, D1, CIF Resolutions are available providing quality images under low illumination - Color 0.05/0.0005BW/F1.6/0Lux/IR LED on. Featured are: integrated camera module insert; installs easily into dome housing; connect / disconnect latches, built-in intelligent analytics (IVS), IR LEDs for 100m night vision 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 12VDC/POE, duplex Audio, 2 Alarms in/1 out, Smart Phone Interface, ONVIF and IP66, the DNA1973YM41 series IP D/N IR PTZ Domes with Analytics are designed to meet demanding, commercial and industrial Network Video surveillance installations.

FEATURES

- * Network 4.0MP D/N IR PTZ Dome, IR LEDs 100m
- * 1/3" CMOS Progressive Scan Sensor; 120dB WDR
- * Illumination Color 0.05/005BW/F1.6/0Lux IR on
- * H.265/H.264/MJPEG, triple stream Encoder
- * 4.0MP with 12x Optical and 16x Digital Zoom
- * Selectable HD Video Modes, Frame Noise reduction
- * Built-in Analytics: Tripwire, 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 BLC/HLC/WDR, 3DNR
- * 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 12VDC input Voltage, POE+(802.3at)
- * Ethernet, Surge Protection; Micro SD Card (128GB)
- * Compliance CE, FCC, ROHS, ONVIF, IP66

ORDERING INFORMATION

DNA1973YM41CA5S IP IR PTZ Dome 4MP 12X, D/N, Bracket mount, IR LEDs 100m, 12VDC/POE



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)



DNA1973YM41

D/N IR PTZ Domes

4MP 12x Optical Zoom

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.: 12VDC 13W, 22W IR on
IR Distance: 100 meters

Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield
Manual Pan Speed: 0.1° ~ 200°/sec/max
Manual Tilt Speed: 0.1° ~ 120° /sec/max
Preset Speed: 240° per sec Pan/200° /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, IP66
Manufactured to: ISO9001

Camera Parameters	DNA1973YM41 – 12X
Image Sensor	1/3" CMOS Progressive Scan Sensor with WDR
Effective Pixels	4.0M (2592 x 1520)
Scanning System:	Progressive
Resolution (H) Pixels:	4MP, 1080P / 720P / D1
Min. Illum. F1.6, 30 IRE:	Color 0.05Lux/0.005Lux/BW/F1.6 / 0Lux/F1.6 IR On
Frame Rate:	4MP/1080P/720P(130fps); D1(1~30fps)
Optical / Digital Zoom:	12X (5.3mm ~ 64mm) / 16X
View Angle: Wide x Tele	58.2°(Wide) ~ 4.8°(Tele)
F-value:	F1.6 (wide) – F4.4 (telephoto)
Focus Control:	Auto/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
IRIS:	Auto / (Offset: Soft.)
BLC:	BLC /HLC / WDR (120dB)
White Balance:	Auto, ATW, Indoor, Outdoor, Auto
Gain Control:	Auto / Manual
Encoder/Parameters	DNA1973YM41
Video Compression:	H.265/H.264, 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

