

DNA1993M4

D/N PTZ Domes

4MP / 30x

Auto Tracking / Analytics



DESCRIPTION

The DNA1993M4 Series are 1/3" CMOS, 4MP Network IP Day/Night PTZ Domes with NTSC/PAL video output and 30X Optical, 16x Digital Zoom that represent state-of-the-art, DSP based camera technology. Units are designed with H.265/H.264/MJPEG video compression and configurable triple stream outputs at 25/30fps 4MP (2592x1520), 50/60fps 3MP (2304x1296) and 1080p resolutions are available providing outstanding quality images under low illumination - Color 0.05/F1.6 / 0.005/BW/F1.6. Featured are: integrated camera module insert; installs easily into dome housing; connect / disconnect latches, Auto Tracking, intelligent analytics (IVS) and EIS. Included are 300 presets, receiver driver, OSD functions, 5 Auto Scan, 5 Patterns and 8 Tours, 24 privacy zones, display date/time, compass/tilt angle, WDR (120dB). With 24VAC/POE, duplex Audio, 2 Alarms in/1 out, Smart Phone Interface, ONVIF, IK10 and IP67, the DNA1993M4 series IP D/N PTZ Domes with Auto Tracking/Analytics are designed to meet demanding, commercial and industrial Network Video surveillance installations.



FEATURES

- * Network 4.0MP Day/Night PTZ Dome, 120dB WDR
- * 1/3" CMOS Progressive Scan Sensor 2592x1520
- * Illumination Color 0.05/F1.6/ 0.005BW/F1.6
- * H.265/H.264/MJPEG, configurable triple Stream
- * 4.0MP with 30x Optical, 16x Digital Zoom
- * Auto Tracking with Alarm Trigger Events
- * Built-in Analytics: Tripwire, Perimeter protection, Loitering, Abandoned Objects, Missing Objects, Face detection, Scene Change, Camera Tamper
- * Variable Bit Rate and Constant Bit Rate
- * OSD: D/N, AGC, WB, WDR, 3DNR and EIS
- * 300 Presets, Auto Pan, 24 Privacy Masking Zones
- * Programmable 5 Auto Scan, 5 Patterns, 8 Tours
- * 10/100 Mbps Ethernet Compatible RJ-45 LAN Port
- * 1 Audio input/1 output; 2 Alarms in, 1 Alarm out
- * Smart Phone Interface: iPhone and Android
- * Aluminum Housing Materials, Heater, Sunshield
- * In-Ceiling Vandal Version with IK10 Protection
- * Available 24 VAC input Voltage, POE+(802.3at)
- * Ethernet, Surge Protection; Micro SD Card (128GB)
- * Compliance CE, FCC, ROHS, ONVIF, IK10, IP67

ORDERING INFORMATION

DNA1993M43CA1S IP PTZ Dome 4MP 30X, D/N, in-Ceiling mount, IK10, IP67, 24VAC/POE

DNA1993M43CA3S IP PTZ Dome 4MP 30X, D/N, Bracket mount, IK10, IP67, 24VAC/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)



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Video Specifications

Video Output: Composite BNC, NTSC/PAL
Camera ID range: 1-255

Audio Specifications

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

Data Specifications

LAN Interface: 10/100Mbps Ethernet RJ-45
Baud Rate/Protocol: 2400, 9600, Pelco P/D

General Parameters

Programmable Presets: 255 with titles
Tours/Patterns/Scans: 8 / 5 / 5
Privacy Masking Zones: 2-24
Alarm Inputs/Outputs: 2 / 1
Auto Flip Function: 180° Tilt

Electrical Parameters

Input Voltage/Cons.: 24VAC/3A, 26W w/IR, heater

Mechanical Parameters

Materials: Die Cast Aluminum (bracket)

Manual Pan Speed:

0.1° ~ 350°/sec/max

Manual Tilt Speed:

0.1° ~ 250° /sec/max

Preset Speed:

500° per sec Pan/500° per sec Tilt

Rotation travel:

Pan 360° continuous

Tilt Travel:

-2°~90°

Motor:

Stepping type

Fan and heater:

Continuous fan; auto-start heater

Dimensions H x Dia.:

7.3"(186mm), 10"(253mm)

Weight:

5.6lbs(2.5Kg) w/ bracket

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, IP67

Manufactured to:

ISO9001

Camera Parameters	DNA1993M43 - 4MP CMOS
Image Sensor	Progressive Scan 1/3" CMOS, WDR
Effective Pixels	4.0M (2592 x 1520)
Output Pixels:	2592(H)x1520(V)
Resolution (H) Pixels:	4MP, 3MP 1080P / 720P / D1 / CIF
Min. Illum. F1.6, 50 IRE:	Color 0.05Lux/, 0.005Lux/BW 0Lux IR On
Frame Rate:	4MP(1~30fps); 3MP/1080p/D1(1~60fps)
Optical / Digital Zoom:	30X (F=4.5mm~135.0mm / 16x
View Angle: Wide x Tele	60°(Wide) ~ 2.4°(Tele)
F-value:	F 1.6 (wide) – F4.4 (telephoto)
Focus:	Auto/Manual (Far/Near)
IR Cut Filter Removable:	Auto(ICR) / Color / B/W
Electronic Shutter Speed:	1/1 – 1/30,000s selectable
Backlight Compensation:	BLC /HLC / WDR
Privacy Masking:	ON/OFF (up to 24 areas)
Gain Control:	Auto / Manual
Noise Reduction:	Ultra DNR (2D/3D)
Image Enhancement:	Brightness, Contrast, Sharpness, Compression, BLC, Mirroring, WDR, AWB, AGC, D/N, AES
White Balance:	Auto, ATW, Indoor, Outdoor, Manual
WDR:	120dB
Encoder/Parameters	DNA1993M43
Video Compression:	H.264/MJPEG, Dual 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
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

