

DNA1993YM4

D/N IP IR PTZ Dome

2.0MP 30x with/LED

Auto Tracking/Analytics



DESCRIPTION

The DNA1993YM4 Series are 1/3" CMOS 4MP Network IP Day/Night IR PTZ Domes with 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) or 3MP and 50/60fps at 2MP (1080p). 720p, D1, CIF Resolutions are available providing outstanding quality images under low illumination – Color 0.05/F1.6/0Lux with IR on. Features are: integrated camera module insert; installs easily into dome housing; connect / disconnect latches, Auto Tracking, built-in intelligent analytics (IVS), IR LEDs for 100m night vision, EIS and Defog. Included are 300 presets, receiver driver, OSD menu with programmable functions, 5 Auto Scan, 5 Patterns, 8 Tours, 24 privacy masking zones, display date/time, compass/tilt angle, and true WDR (120dB). With 24VAC, duplex Audio, RS-485, 2 Alarms in/1 out, Smart Phone Interface, ONVIF, IP66, the DNA1993YM4 series IP IR PTZ Domes with Auto Tracking and Analytics are designed to meet the most 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/F1.6/0Lux with IR on
- * H.265/H.264/MJPEG, Triple Stream Encoder
- * 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 Zones
- * Programmable 5 Auto Scan, 5 Patterns, 8 Tours
- * 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- * 2 Alarms in, 1 Alarm out; Audio input/output
- * Smart Phone Interface: iPhone and Android
- * Aluminum Housing, Heater, Defogger, Sunshield
- * Available 24 VAC input Voltage, 50Hz/60Hz
- * Ethernet, Surge Protection; SD Card (128GB)
- * Compliance CE, FCC, ROHS, ONVIF, IP66

ORDERING INFORMATION

DNA1993YM43A30CA5S IP IR PTZ Dome 4MP 30X, D/N, NTSC, LED 150m, Analytics, 24VAC
DNA1993YM43B30CA5S IP IR PTZ Dome 4MP 30X, D/N, PAL, LED 150m, Analytics, 24VAC

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, Pelco D

General Parameters

Programmable Presets: 300 with titles
Tours/Patterns/Scans: 8 / 5 / 5
Privacy Masking Zones: 2-24
Alarm Inputs/Outputs: 7 / 2

Electrical Parameters

Input Voltage/Cons.: 24VAC/3A, 38W w/IR, heater
IR LEDs Distance: 100m; 2 near view, 4 far view

Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield

Manual Pan Speed: 0.1° ~ 240°/sec/max
Manual Tilt Speed: 0.1° ~ 120° /sec/max
Preset Speed: 240° /sec Pan; 200° /sec Tilt
Rotation travel: Pan 360° continuous
Tilt Travel: -2°~90°
Auto Flip Function: 180° Tilt
Motor: Stepping type
Fan and heater: Continuous fan; auto-start heater
Dimensions H x Dia.: 14.2"(360mm), 8.1"(205mm)
Weight: 18lbs(8Kg) 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, IP66
Manufactured to: ISO9001

Camera Parameters	DNA1993YM43 - 30X
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, 2MP 1080P, 720P, D1
Min. Illum. F1.6, 50 IRE:	0.005Lux/F1.6 / 0Lux/F1.6 IR On
Frame Rate:	1080P/720P(1~30fps); D1(1~30fps)
Optical / Digital Zoom:	30X (4.5mm ~ 135mm) / 16X
View Angle: Wide x Tele	67.8°(Wide) ~ 2.4°(Tele)
F-value:	F1.6 (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:	Auto / (Offset: Soft.)
Image Enhancement:	Brightness, Contrast, Sharpness, Compression, Mirroring
White Balance:	Auto, ATW, Indoor, Outdoor, Auto
WDR:	120dB
Encoder/Parameters	DNA1993YM4
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
Wireless Network:	20
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, Bonjour, 802.1x
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

