

# DNE1994YM5W

## D/N IR PTZ Domes

### 5MP 30x/40x w/Wiper

### NDA/Analytics



#### DESCRIPTION

The DNE1994YM5W Series are 1/2.8" Starvis CMOS 5MP Network; **NDA Compliant** Day/Night IR PTZ Domes with 30X/40X 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 output 25/30fps 5MP (2592x1944). 3MP, 2MP, 720p, D1, CIF Resolutions are available providing outstanding quality images under low illumination – Color 0.005/F1.6 / 0.001Lux/BW / 0Lux/IR on. Features are: integrated camera module insert; installs easily into dome housing; Auto Tracking w/Alarm Links, analytics, face/Vehicle Attributes/detection, LPR Violations, IR LEDs 300m night vision, EIS, Defog. Included are 400 presets, receiver driver; OSD menu with programmable functions, 12 Scans, 6 Patterns, 12 Tours, 24 privacy zones, display date/time, compass/tilt angle, and WDR (120DB). With 36VDC/Hi POE, duplex Audio, RS-485, 7 Alarms in/2 out, Wiper, CVBS out, Smart Phone Interface, ONVIF, IP66, the DNE1994YM5W series IP IR PTZ Domes with Auto Tracking and Analytics are designed to meet demanding, commercial and industrial Network Video surveillance installations.



#### FEATURES

- \* Network 5MP Day/Night IR PTZ Dome, LED 300m
- \* 1/2.8" Starvis CMOS Scan Sensor; 120dB WDR
- \* Illumination 0.005Lux/F1.6/0Lux IR LED on
- \* H.265 H.264, Triple Stream Encoder
- \* 5MP with 30X/40X Optical, 16x Digital Zoom
- \* Auto Tracking with Alarm Trigger Events
- \* Built-in Analytics: Tripwire, Perimeter protection, Loitering, Abandoned, Missing Objects; Face, Human/Vehicle Attributes, LPR Detection, Capture
- \* Variable Bit Rate and Constant Bit Rate
- \* OSD: D/N, AGC, WB, WDR, 3DNR and EIS
- \* 400 Presets, Auto Pan, 24 Privacy Zones
- \* Programmable 12 Auto Scan, 6 Patterns; 12 Tours
- \* 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- \* 7 Alarms in, 2 Alarms out, Audio input/output
- \* Smart Phone Interface: iPhone and Android
- \* Aluminum Housing, Heater, Sunshield, Wiper
- \* 36 VDC input Voltage, 50Hz/60Hz, POE
- \* Ethernet, Surge Protection; SD Card (256GB)
- \* Compliance CE, FCC, ROHS, ONVIF, IP66, NDA

#### 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

DNA1994YM53A9CA5W	Network IR PTZ Dome, IVS, 5MP 30X, LED 300m, Wiper, NTSC, 36VDC/POE
DNA1994YM53B9CA5W	Network IR PTZ Dome, IVS, 5MP 30X, LED 300m, Wiper, PAL, 36VDC/POE
DNA1994YM54A9CA5W	Network IR PTZ Dome, IVS, 5MP 40X, LED 300m, Wiper, NTSC, 36VDC/POE
DNA1994YM54B9CA5W	Network IR PTZ Dome, IVS, 5MP 40X, LED 300m, Wiper, PAL, 36VDC/POE



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### 5MP 30x/40x w/Wiper

### NDAAs/Analytics



#### Video Specifications

Video output: CVBS NTSC, PAL versions  
 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: 400 with titles  
 Tours/Patterns/Scans: 12 / 6 / 12  
 Privacy Masking Zones: 24  
 Alarm Inputs/Outputs: 7 / 2

#### Electrical Parameters

Input Voltage/Cons.: 36VDC/3A, 45W w/IR, Hi-POE  
 IR LEDs Distance: 300m; 2 near view, 8 far view

#### Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield  
 Feature: Wiper

Manual Pan Speed: 0.1° ~ 300°/sec/max  
 Manual Tilt Speed: 0.1° ~ 90° /sec/max  
 Preset Speed: 300°/sec Pan; 300° /sec Tilt  
 Rotation travel: Pan 360° continuous  
 Tilt Travel: -10°~90°  
 Auto Flip Function: 180° Tilt  
 Motor: Stepping type  
 Fan and heater: Continuous fan; auto-start heater  
 Dimensions H x Dia.: 14.3"(363mm), 8.9"(226mm)  
 Weight: 12lbs (5.5Kg) w/o bracket

#### Environmental Parameters

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, NDAAs  
 Manufactured to: ISO9001

Camera Parameters	DNE1994YM53W - 5MP CMOS - 30X	DNE1994YM53W - 5MP CMOS - 40X
Image Sensor	Progressive Scan 1/2.8" Starvis CMOS	
Effective Pixels	5M (2592 x 1944)	
Signal to Noise Ratio:	50dB	
Resolution (H) Pixels:	2592x1944 / 4MP / 2MP 1080P / 720P / D1	
Min. Illum. F1.6, 50 IRE:	0.005Lux/F1.6 / 0Lux/IR On	
Frame Rate:	25/30fps @ 5MP, 4MP, 2MP, 720P	
Optical / Digital Zoom:	30X (5.3mm ~ 159mm) / 16X	40X (5.0mm ~ 200mm) / 16X
View Angle: Wide x Tele	55°(Wide) ~ 1.7°(Tele)	H: 64.8° to 1.8°, V: 50.3° to 1.3°
F-value:	F 1.6 (wide) - F43 (telephoto)	F 1.6 (wide) - F5 (telephoto)
Focus:	Auto/Manual (Far/Near)	
IR Cut Filter Removable:	Auto(ICR) / Color / B/W	
Digital Slow Shutter:	Yes	
Wide Dynamic Range:	On, Off, Auto, Ratio Fix	
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	
White Balance:	Auto, ATW, Indoor, Outdoor, Auto	
Sync System:	Internal	
<b>Encoder/Parameters</b>	<b>DNE1994YM53W/ DNE1994YM54W</b>	
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	
Web Server:	Intuitive Browser Interface, Internet Explorer	
OS/Compatibility:	Linux/WIN; DNE3500, DNE3700, DNE3800, DNI3000 CMS/VMS	
CPU Requirement:	Intel Core 4 Quad 2GHz or higher	

