

DNE1993T650YM4

Hybrid Thermal Vision 640pixel 4MP IP IR PTZ Dome 40x Auto Tracking - Analytics



DESCRIPTION

The DNE1993T650YM44 Series are Network Hybrid Thermal, Visible 4MP, **NDAA Compliant** IR PTZ Domes with 40X Optical Zoom that represent state-of-the art, DSP based camera technology. Units are designed with 5th GEN uncooled VOX 640-pixel array image core, 25mm motorized focus lens: H.265/H.264/MJPEG video compression and configurable dual stream output 25/30fps 2688x1520, CVBS output and Micro SIM 4G Data Transmission. The Series DNE1993T650YM44 needs no active illumination; detects a man-sized threat at 1000m and vehicles at up to 3Km in total darkness. Features are: integrated camera modules, auto tracking, analytics (IVS) and fire detection/alarm. Included are 400 presets, built-in receiver driver, OSD menu with functions, 12 Auto Scan, 6 Patterns, 12 Tours, privacy zones, and LEDs for 300m night vision. With 24VAC voltage, RJ-45 Ethernet port, RS-485 Data, Audio in/out, 7 Alarms input/2 out, micro-SD Card, Smart Phone Interface, ONVIF, IP66, the DNE1993T650YM44 series Thermal/IP IR PTZ Domes with built-in Analytics and Auto Tracking are designed to meet the most demanding, commercial and industrial Network Video surveillance installations.

FEATURES

- * Network Hybrid Thermal 4MP dual lens IR PTZ Dome With 40x Optical Zoom and WDR (120dB)
- * Uncooled 5th GEN Thermal Image 640 VOX Core
- * High Performance 640 x 512 Pixel Resolution
- * 1/1.8" CMOS Progressive Scan Sensor 2688x1520
- * H.265/H.264/MJPEG, config. Dual Stream Encoder
- * Illumination Color 0.001/0.0001Lux/F1.6/BW/0lux IR
- * High Quality 25mm Fixed Lens; motorized focus
- * Detection: People - 1000m; Vehicles - 3000m
- * Recognition: People - 260m; Vehicles - 800m
- * Identification: People - 140m; Vehicles - 400m
- * Built-in Analytics: Tripwire, Perimeter protection, loitering, abandoned objects, missing objects
- * Advanced Fire / Temperature Detection and Alarm
- * High Output IR LEDs for 300m Night Vision
- * 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- * 400 Presets, 6 Tracks, 12 Scans, 12 Tours; tracking
- * 7 Alarms in, 2 Alarms out, Audio in/Audio out
- * Mobile Communication Micro SIM (LTE, WCDMA)
- * Smart Phone Interface: iPhone and Android
- * Die Cast Aluminum Housing, Sunshield, Wiper
- * 24 VAC input Voltage, 50Hz/60Hz; SD Card (1TB)
- * 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

- DNA1993T650YM44A-3 Thermal/IP PTZ Dome, 640 Pixel, 25mm Lens, 40x zoom, NTSC, 24VAC
- DNA1993T650YM44B-3 Thermal/IP PTZ Dome, 640 Pixel, 25mm Lens, 40x, zoom PAL, 24VAC



DNE1993T650YM4

Hybrid Thermal Vision 640pixel

4MP IP IR PTZ Dome 40x

Auto Tracking - Analytics



Video Specifications

Video Output: Thermal/Network Visible, CVBS
Camera ID range: 1-400

Audio Specifications

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

Data Specifications

LAN Interface: 10/100Mbps Ethernet RJ-45
PTZ Data: RS-485
Mobile Communications: Mini ZIM – LTE, WCDMA

General Parameters

Auto Pan: 0°~360°, 12 auto scan routes
Programmable Presets: 400 with titles
Tours/Patterns/Scans: 12 / 12 / 6
Alarm Inputs/Outputs: 7 / 2
Auto Flip Function: 180° Tilt

Electrical Parameters

Input Voltage/Consume: 24VAC/3A, max. 45W
IR LEDs – Night Vision: 300m

Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield
Manual Pan Speed: 0.01° ~ 300°/sec/max
Manual Tilt Speed: 0.01° ~ 240° /sec/max
Preset Speed: 240° /sec Pan; 200° /sec Tilt
Rotation travel: Pan 360° continuous
Tilt Travel: -10° ~ 90°
Motor: Stepping type
Fan and heater: Continuous fan; auto-start heater
Dimensions Dia. X H: 9.0" (225mm), 14.3" (364mm)
Weight: 13lbs(6Kg) w/ bracket

Environmental Parameters

Operating Temperature: -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, NDAA
Manufactured to: ISO9000

DNE1993T650YM44	Thermal Camera Parameters
Image Detector Type:	5th Generation uncooled VOX Microbolometer
Sensor Format / Pixel Pitch:	640 x 512(PAL) / 12 Microns
Spectral Response/Sensitivity:	8um to 14um / < 40mK NETD @ F1.0
	4MP Network Camera Parameters
Image Sensor	Progressive Scan 1/1.8" STARVIS CMOS with true WDR (120dB)
Effective Pixels / Output Pixels	4MP (2688 x 1520) / 1920(H)x1080(V); 1080P / 720P resolutions
Min. Illumination F1.5, 50 IRE:	Color 0.001Lux/F1.5 / 0.0005Lux/F1.5BW / 0Lux IR ON
Frame Rate:	4MP/1080P/720P(1~30fps); D1(1~30fps)
	Encoder Parameters
Video Compression:	H.265/H.264/MJPEG, Dual Stream, Configurable
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
Operating System:	Compatible with DNE3500, DNE3800-32, DNE38000-64 NVR; WIN 10 / SERVER
Web Server:	Intuitive Browser Interface, Explorer, Chrome
Thermal Lens	Fixed
Focus	motorized
Focal Length	25mm
View Angle	17°H, 14°V
Fire Distance	Detection - 1000m
Person Distance	Detection - 1000m
	Recognition - 260m
Vehicle Distance	Detection - 3000m
	Recognition - 800m
Visible Lens	Motorized Zoom
Optical Zoom	40x
Focal Length	6.3 ~ 250mm
View Angle	H: 60.7° ~ 2.33° V: 36.8° ~ 1.38°

