

DNE1745T650YM4

Hybrid Thermal Vision 640pixel 4MP IP IR Bullet Camera Analytics



DESCRIPTION

The DNE1745T650YM4 Series are Network Hybrid dual lens Thermal, Visible 4MP, **NDAA Compliant** IR Bullet Camera that represent state-of-the art, DSP based camera technology. Units are designed with 5th GEN uncooled VOX 640-pixel array image core, 35mm, 50mm lens (thermal), 10-30mm (visible) lens, H.265 / H.264 / MJPEG video compression and configurable outputs 25/30fps @ 2688x1520. The Series DNE1745T650YM4 needs no active illumination; detects a man-sized threat up to 2Km and vehicles to 6.5Km in total darkness. Features include LED 100m IR night vision, 18 color palettes, EIS, Defog, AGC, HLC, BLC, true WDR (120dB), built-in analytics and Fire detection. With 12VDC/24VAC/POE, RJ-45 port, RS-485 Data, Audio in/out, 2 Alarms input/2 out, CVBS, micro-SD Card, Smart Phone Interface, ONVIF, IP66, the DNE1745T650YM4 Hybrid dual lens Thermal/IP Bullet Cameras with built-in Analytics are designed to meet the most demanding, commercial and industrial Network Video surveillance installations.



FEATURES

- * Network Hybrid Thermal/Visible 4MP dual Lens IR Bullet Camera with WDR 120dB
- * Uncooled 5th GEN Thermal Image 640 VOX Core
- * High Performance 640 x 512 Pixel Resolution
- * 1/1.8" CMOS Progressive Scan Sensor 2688x1522
- * H.265 / H.264 / MJPEG, configurable Encoder
- * Supports 25fps @ 1920x1080 or 1280x720 Thermal
- * Supports 25fps @ 4MP, 1080p or 720p on Visible
- * Illum. Color 0.005/0.0001Lux/F1.6/0 Lux IR On
- * Detect: 35mm People – 1.4Km; Vehicles– 4.4Km
- * Recognize: 35mm People – 370m; Vehicles – 1.2Km
- * Detect: 50mm People – 2Km; Vehicles – 6.5Km
- * Recognize: 50mm People – 520m; Vehicles – 1.6Km
- * Built-in Analytics: Tripwire, Perimeter Protection, Abandoned Objects, Fire Detection, Human and Vehicle Detection; Sound, Light, Temperature Alarm
- * Maximum distance vision with IR LED Light 100m
- * 10/100 Mbps Ethernet RJ-45 Port, RS-485 Data
- * Audio In/Out; 2 Alarms In/ 2 Out, CVBS output
- * Smart Phone Interface: iPhone and Android
- * Die Cast Aluminum Housing, Sunshield
- * 12DC/24AC/POE Voltage, 50Hz/60Hz; SD (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

DNE1745T650UYM4B-4 Hybrid Thermal (35mm) / Visible 10-30mm, PAL, 12VDC/24VAC/POE

DNE1745T650ZYM4B-4 Hybrid Thermal (50mm) / Visible 10-30mm, PAL, 12VDC/24VAC/POE



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DNE1745T650YM4

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DNE1745T650YM4	Product Specifications
Image Detector Type:	5th Generation uncooled VOX Microbolometer
Sensor Format / Pixel Pitch:	640 x 512(PAL) / 17 Microns
Fixed Lens:	Highest Quality 35mm, 50mm Lens
Angle of View (H):	35mm - 12° to 10°; 50mm - 8° to 7° on thermal camera
Spectral Response/Sensitivity:	8um to 14um / < 40mK NETD @ F1.0
Visible Camera:	1/1.8" Sony CMOS Image Sensor
Effective Pixels:	2688(H) x 1520(V) - visible camera
Video Format/Output:	CVBS PAL
Minimum Illumination:	Color 0.005Lux/F1.6, 0.0001Lux/F1.6/BW, 0Lux IR ON
S/N Ratio:	>55dB
IR Distance:	100m
Optical Lens:	10-30mm vari-focal
DEFOG:	ON / OFF
Field of View:	(H) 43.4° to 15.5°; (V) 3.8° to 23.8° on visible camera
Focus Control:	motorized
Audio Ports:	2 in / 2 out with built in microphone and speaker
Data Port:	RJ-45 Ethernet
Data Port:	RS-485
Alarm Ports:	2 in / 2 out
Performance 35mm lens:	Detection: people - 1.4Km; vehicles - 4.4Km
Performance 35mm lens:	Recognition: people - 370m; vehicles - 1.2Km
Performance 35mm lens:	Identification: people - 180m; vehicles - 260m
Performance 50mm lens:	Detection: people - 2Km; vehicles - 6.5Km
Performance 50mm lens:	Recognition: people - 520m; vehicles - 1600m
Performance 50mm lens:	Identification: people - 2600m; vehicles - 800m
Color Palettes:	18 (White hot/Black hot/Iron row/Ice fire/Fusion\Rainbow\more...
Encoder and other Parameters	
Video Compression:	H.265H.264/MJPEG, Configurable
LAN Interface:	10/100 Mbps RJ-45 Port
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
Web Server:	Intuitive Browser Interface, Explorer, Chrome
Operating System:	Compatible with DNE3500, DNA3800-32, DNE3800-64, Series NVR Appliances (embedded Linux); WIN 10 / WIN SERVER
Smart Phone Interface:	iPhone, iPad, Android
Power Supply/Consumption:	12VDC / 24VAC / <25W IR LED ON and POE
Dimensions:	(327.4 to 347.4) x 140.04 x 120.72 mm, (12.89 to 13.55) x 5.59 x 4.75 inch)
Weight:	4.5 lbs. (2Kg)
Materials:	Die Cast Aluminum; Waterproof
Regulatory Compliance:	CE, FCC, ROHS, ONVIF, IP66, NDAA
Manufactured to:	ISO9000

