

YHT300E HD IP Series

Fixed camera station for
both Ex & safe/harsh areas



Overview

Made from 316L or 304L stainless steel and designed specifically for use in hazardous area and or harsh environmental conditions, this hard wearing and corrosion resistant fixed camera station is suitable for a variety of applications both onshore and offshore in Oil & Gas, Marine, Wind, Chemical and many other industries where quality and durability are a pre-requisite.

With zoom capability as standard, a variety of mounting brackets, wiper/washer tank, POE, EOC, and fiber optic options the YHT300E has the operational capability for most demanding CCTV applications.

Features

- CNEEx certified
- IP66 and IP68
- 1080p HD IP camera
- -40°C to +65°C
- 316L or 304L Stainless Steel
- Automatic Heater
- Optional POE
- Optional EOC
- Optional fiber optic
- wiper

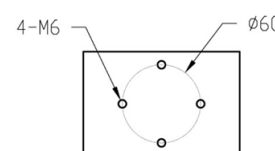
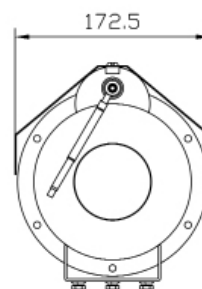
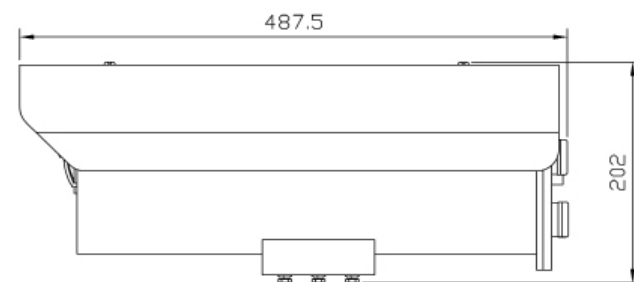
Certification

CNEx certificate:	CNEx20.1842X
Ex Mark:	Ex d IIC T5 Gb/Ex tD A21 IP68 T95°C
Vibration and shock test	IEC60068-2-6, IEC60068-2-27 Class B

Specification

Material:	316L or 304L Stainless Steel
Finish:	Polished
Operating Temp	-40°C to +65°C
Atmospheric pressure:	80~110KPa
Humidity:	≤95%RH (+25°C)
Automatic Heater:	Activates at -10°C
Ingress Protection:	IP66 and IP68 (1.2m/45min)
Wiper:	Option available
Net weight	15kg
Ship weight	17kg with carton package, 27kg with wooden crate package
Cable Entries:	3 x M25x1.5 with blind plugs
Wall Bracket Load:	50Kg
Voltage:	110AVC~240VAC(±10%) / 24VAC (±10%) / POE(DC54V)
Current:	0.2~0.45A / ≤2A/≤1A
Power:	≤50W
Audio & Alarm connection:	1 for audio input / output and 1 for alarm input / output
Transmission:	Standard Ethernet IP / Fiber optic transmission / IP over Coax transmission
VMS compliance:	ONVIF Profile S & Profile T
Applicable wash system:	Applicable wash terminals for connection to external wash system driven by solenoid valve or pump. The power voltage input of solenoid valve or pump shall be consistent with voltage input of camera station.

General arrangement drawing (all dimensions in mm)



Fiber Optic

Data Interface:	Ethernet 1310/1550nm
Data Rate:	10/100 Mbps IEEE 802.3 Compliant, Full or Half Duplex Electrical Port / Full Duplex Optical Port
Connector:	ST
Fiber:	Single mode / Multimode
Optical Power Budget:	10 dB
Maximum Distance:	3 km (2 miles)

Ethernet over Coax

Data Interface:	10/100BaseT(X) Ethernet
Data Rate:	DIP switch selection of 10/100 Mbps Full data rate / full duplex up to the maximum rated distance
RFC:	2544 TCP/IP Packet Transmission
Standards:	IEEE 802.3af PoE (CLRFE1EO(C,U)P/M), RFC: 768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet
Transmission Distances:	10M (5,000 ft 1,524 m) 100M (2,000 ft 610 m)

Camera options

22x zoom 3MP HD IP camera

Image sensor	Progressive scan CMOS 1/2.8"
Resolution	2304 x 1296 @ 30fps
Lens	22x optical zoom 5.2~114.4mm F1.5~F3.8, horizontal angle of view 53.74° - 2.96°
Min. illumination	Colour : 0.002Lux (F1.5, AGC ON), B/W 0.001Lux (F1.5, AGC ON)
Streaming	Triple streams in H.264, H.265
Features	AGC, AE,AWB,TDN,DNR,BLC,EIS,WDR,Defog,OSD,Day & Night Auto Colour/BW (IR-cut with auto switch)
Standards protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.

33x zoom 3MP HD IP camera

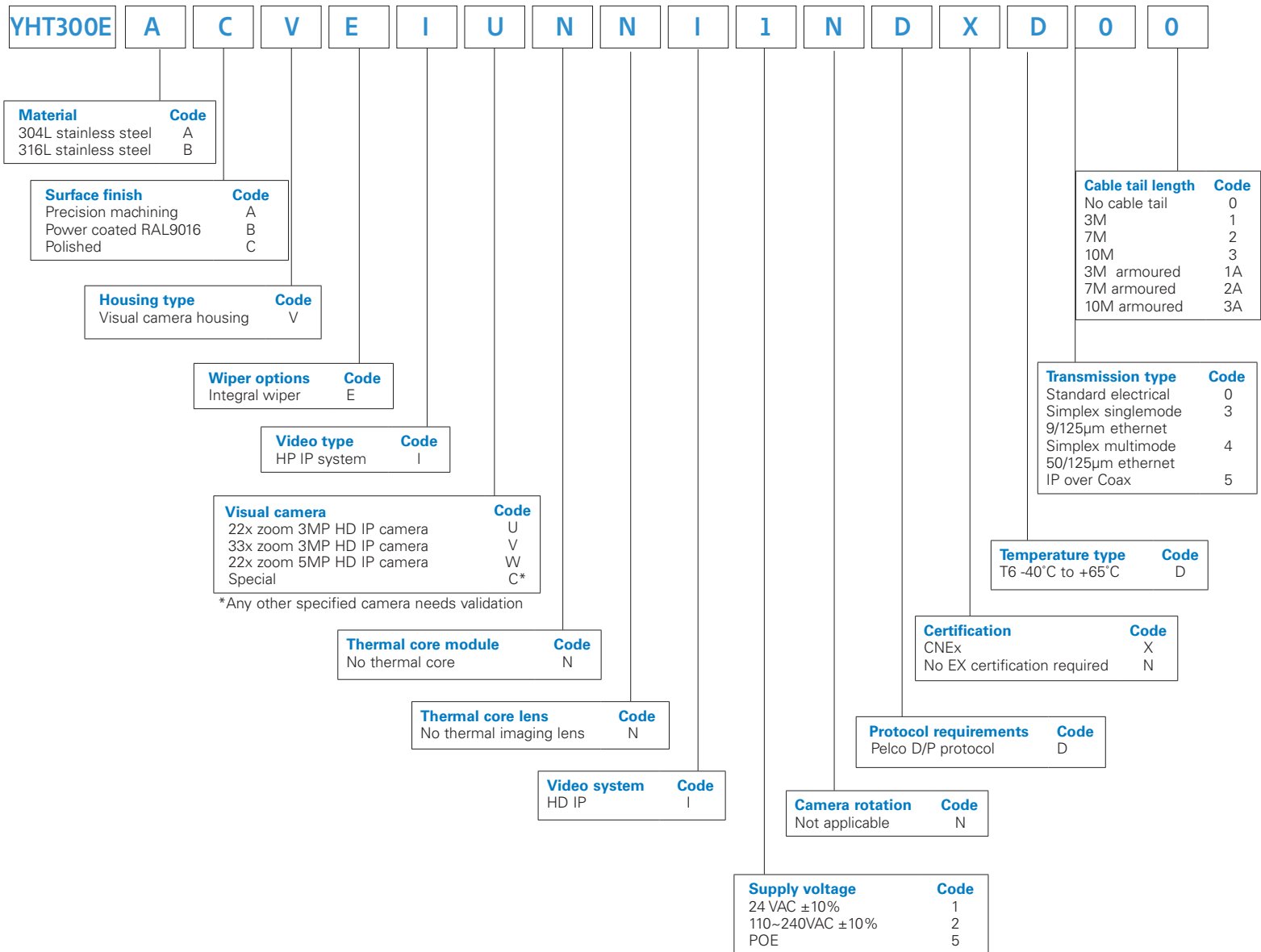
Image Sensor	Progressive scan CMOS 1/2.8"
Resolution	2304 x 1296 @ 60fps
Lens	33x optical zoom 4.5~148.5mm F1.5~F4.0, horizontal angle of view 62.93° - 3.67°
Min. Illumination	Colour : 0.001Lux (F1.5, AGC ON), B/W 0.0005Lux (F1.5, AGC ON)
Streaming	Five streams in H.264, H.265
Features	AGC, AE,AWB,TDN,DNR,BLC,EIS,WDR,Defog,OSD,Day & Night Auto Colour/BW (IR-cut with auto switch)
Standards Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.

22x zoom 5MP HD IP camera

Image Sensor	Progressive scan CMOS 1/2.7"
Resolution	2880 x 1620 @ 30fps
Lens	22x optical zoom 5.2~114.4mm F1.5~F3.8, horizontal angle of view 55.46° - 3.09°
Min. Illumination	Colour : 0.003Lux (F1.5, AGC ON), B/W 0.001Lux (F1.5, AGC ON)
Streaming	Triple streams in H.264, H.265
Features	AGC, AE,AWB,TDN,DNR,BLC,EIS,WDR,Defog,OSD,Day & Night Auto Colour/BW (IR-cut with auto switch)
Standards Protocols	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP.

Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by the code for each selection. Any special requirement please consult Eaton technical sales department.



*Any other specified camera needs validation

Once POE is selected please use standard electrical transmission type.