



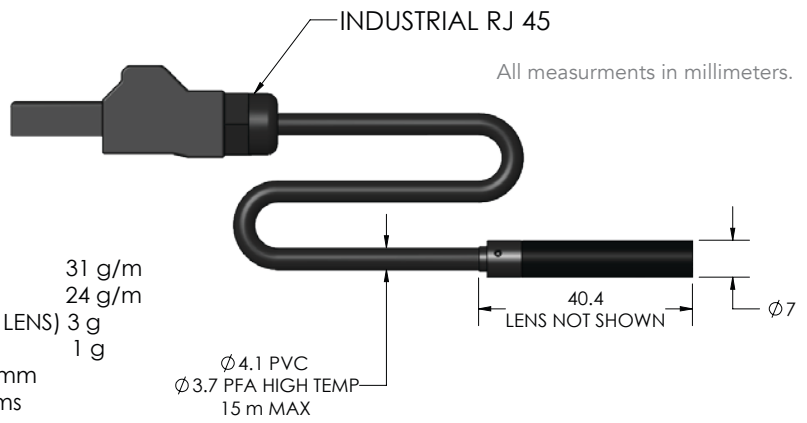
QN-HD

7mm Industrial Color HD Camera



The iShot® QN-HD is a new HD micro camera replacing the Elmo QN 42H and its Toshiba equivalent. It is compatible with existing ELMO QN and Toshiba lenses as well as newly designed units. QN-HD is a 1080/30p micro high definition 7mm diameter color camera utilizing a 1/6" (1920 X 1080, 2 MP) CMOS sensor. High speed Digital/Serial communication is used between the camera head and camera control unit (CCU). Signal and power are each sent over separate twisted wire pairs greatly simplifying cable construction. This transport design supports 15m operations. The CCU has added features including still image capture and an on board constant current LED power supply. The camera head and lenses are mechanically identical to the ELMO QN series. Video output is 1080 and 720 DVI along with USB in 1080, 720, and VGA formats.

- WEIGHTS:
- CABLE 31 g/m
- PVC 24 g/m
- PFA HEAD (WITHOUT LENS) 3 g
- LENS (TYP) 1 g
- DIMENSIONS IN mm
- WEIGHTS IN grams



Inline connectors not currently available.

Signal System	DVI, USB 2.0
Video formats	1080/30p, 720/60p, 480/120p
Sensor	1/6" CMOS 2MP
Exposure	Automatic / Manual
Shutter Values	Automatic, over 20 selectable values to 1/30,000s
Image Controls	White Balance, Sharpness, Gamma, Saturation, Contrast, Hue, more....
E- PTZ	Available in Downscaled modes
Presets	4 customizable Setting Profiles
Color Temp Options	2800K, 4500K, 6500K
Lens Correction Settings	1.8mm, 2.5mm, 4mm, 7.0mm, 15mm
Storage	Removable Micro SD card for Still Capture
Power	5v DC, 800ma, 1a under LED operation

Preliminary, subject to change.



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Salient Features

- USB-C power supply
- DVI & USB output
- 5 standard cable lengths: 2m, 3.5m, 5m, 10m, and 15m. alternate lengths are optional
- 2 cable material selections of PVC and PFA (high temperature)
- Still image capture to onboard micro SD card via dedicated front panel tactile button or remote command
- Optional lenses include HFOVs of 90, 60, 40, 20, and 10 degrees in a 16:9 format
- Video capture via DVI or USB output through optional accessories
- 4 user-defined and one factory default setup memory.
- LCD user interface with menu control accessed via front panel tactile buttons
- Numerous user-controlled or auto operation parameters for video performance.
- RS-232 port for remote control

CCU



Front



Back

CCU

Item Number	Description
EM14515	iShot QNHD Control Unit

Power Supply

Item Number	Description
EM13581	iShot QNHD Power Supply, USB-C

Camera

Item Number	Description	Cable Length	Cable Type
EM13340	iShot QNHD Camera	2 Meter	PVC
EM13582	iShot QNHD Camera	3.5 Meter	PVC
EM13246	iShot QNHD Camera	5 Meter	PVC
EM13341	iShot QNHD Camera	10 Meter	PVC
EM13583	iShot QNHD Camera	15 Meter	PVC
EM13342	iShot QNHD Camera	2 Meter	PFA
EM13584	iShot QNHD Camera	3.5 Meter	PFA
EM13343	iShot QNHD Camera	5 Meter	PFA
EM13344	iShot QNHD Camera	10 Meter	PFA
EM13585	iShot QNHD Camera	15 Meter	PFA

Lenses

Item Number	Description	Nominal HFOV
EM13474	iShot 1.8mm Lens for QNHD Camera	90 Degree
EM13475	iShot 2.5mm Lens for QNHD Camera	60 Degree
EM19968	iShot 4.0mm Lens for QNHD Camera	40 Degree
EM13497	iShot 7.1mm Lens for QNHD Camera	20 Degree
EM10054	iShot 15.0mm Lens for QNHD Camera	10 Degree

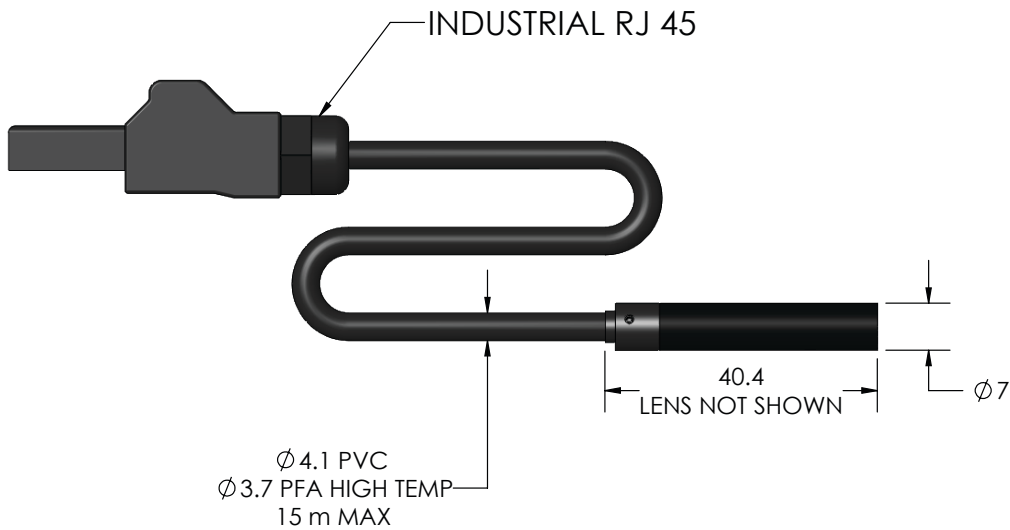
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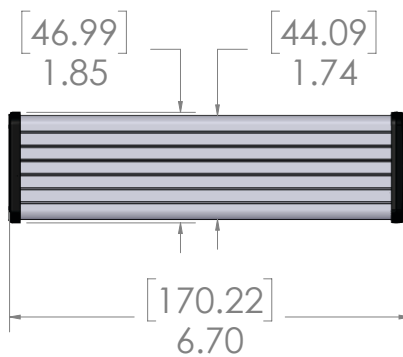
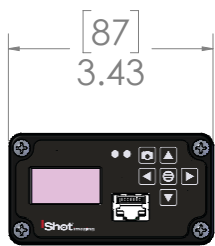
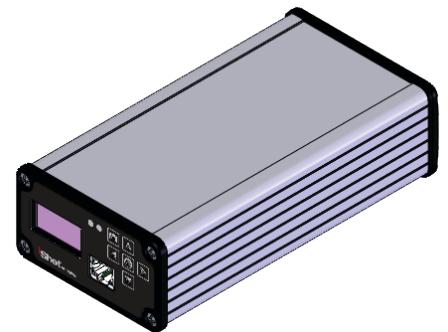
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Dimensions



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 HEAD (WITHOUT LENS) 3 g
 LENS (TYP) 1 g
 DIMENSIONS IN mm
 WEIGHTS IN grams



WEIGHT = 13 oz [370 g]

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