

iCAM100 Compact Fixed Focus CCTV Camera



**Zone 1, 21 and Zone 2, 22
fixed position surveillance camera**

Explosion Proof II 2 GD EEx de IIC T6

-20°C to +40°C

IP65

Overview

The iCAM100 is designed for use in hazardous areas, where a method of surveillance is required and space is at a premium. The camera is a perfect choice for use as part of a CCTV system, or just for single point monitoring of a process operation with a local hazardous area video monitor, such as the Extronics iVID100. The iCAM100 uses a high specification colour CCD sensor that operates down to 0.5Lux and gives 380 lines out in either PAL or NTSC format.

The iCAM100's design means that it is suitable for use in Zone 1, 21 and Zone 2, 22 environments, also suitable for use in harsh environments with its IP65 ingress protection, 316L stainless steel and GRP construction.

Connection to the video monitor or CCTV system is quite simple using either 75 ohm coax or 150 ohm differential signal cable outputs.

Features and Benefits

Rugged & Compact Design

Ideal for applications where space is critical

Easy Installation

The simple design allows for easy installation including the option for mounting directly onto your own equipment or onto the optional wall mounting bracket.

Suitable for Harsh Environments

With 316L stst and GRP materials of construction and IP65 ingress protection the iCAM100 is suitable for installation in the most harsh of environments

Dual output modes

75R Coaxial Cable
150R Twisted Pair Cable

Specification

Certification Number	Sira 99 ATEX 3200 Sira 02 ATEX 1271X BAS 01 ATEX 2080X
Certification Type	II 2GD EEx de IIC T6
Dimensions	Camera 50mm x 70mm (Dia x l), Junction Box 80mm x 60mm x 75mm (w x h x d)
IP Rating	IP65
Ambient Temperature	-20°C to +50°C
Weight	650 g
Power Supply	19 to 32 V dc 1.2 W ,reverse polarity protected. 36 V over voltage protection
Electrical Connection	Screw terminals for cables up to 2.5mm
Outputs	PAL composite video (NTSC available on request)
Entries	One or two M20 for suitable Ex e glands
Mounting	Universal wall mounting bracket with 360 degree horizontal pan and 70 degree vertical tilt
Field of View	Range 10 to 150 Degrees. See ordering information for further details
Light Sensitivity	0.5 Lux @ F2 5600K
Resolution	Picture Element (Pixels) N:290K P:320K, Horizontal res 380 lines
Material	Camera 316L stainless steel, Junction Box GRP

Ordering Information

Compact Colour CCTV Camera

iCAM100-[#1]-X-[#3]-[#4]

Specify Field of View [#1]

Angle of View	Focal Length	Recognition Distance	Best Picture	
19°	16.0mm	30M	12	19
28°	12.0mm	16M	6	28
40°	8.0mm	12M	4	40
53°	6.0mm	8M	2.3	53
80°	4.0mm	6M	12	80
92°	3.6mm	4M	1.8	92
130°	2.97mm	3.5M	1.5	130

Specify Video Signal Type [#3]

Type	Description	
PAL	European Standard	P
NTSC	American Standard	N

Specify Cable Entries [#4]

One M20 EEx de Cable Gland, Cable O/D range 3mm - 8mm (other sizes upon request)	1
Two M20 EEx de Cable Gland, Cable O/D range 3mm - 8mm (other sizes upon request)	2

Specify Accessories

Wall mounting bracket with manual pan and tilt	iCAM100-WB
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