

## 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 PAL 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

75 Coaxial Cable  
150R Twisted Pair Cable

### Specification

<b>Certification Number</b>	Sira99 ATEX 3200 Sira06 ATEX 1366X Sira01 ATEX 1272X
<b>Certification Type</b>	II 2GD EEx de IIC T6
<b>Dimensions</b>	Camera 50mm x 70mm (Dia x l), Junction Box 80mm x 60mm x 75mm (w x h x d)
<b>IP Rating</b>	IP65
<b>Ambient Temperature</b>	-20°C to +50°C
<b>Weight</b>	650 g
<b>Power Supply</b>	19 to 32 V dc 1.2 W ,reverse polarity protected. 36 V over voltage protection
<b>Electrical Connection</b>	Screw terminals for cables up to 2.5mm
<b>Outputs</b>	PAL composite video
<b>Entries</b>	One or two M20 for suitable Ex e glands
<b>Mounting</b>	Universal wall mounting bracket with 360 degree horizontal pan and 70 degree vertical tilt
<b>Field of View</b>	Range 19 to 92 Degrees. See ordering information for further details
<b>Light Sensitivity</b>	0.5 Lux @ F2 5600K
<b>Resolution</b>	Picture Element (Pixels) N:290K P:320K, Horizontal res 380 lines
<b>Material</b>	Camera 316L stainless steel, Junction Box GRP



Wireless



Vision



Engineering



Tracking

## Ordering Information

### Compact Colour CCTV Camera

iCAM100-[#1]-X-P-[#2]

#### Specify Field of View [#1]

Angle of View	Fixed Focal Length	Max Recognition Distance	Best Picture Distance	Code
19°	16.0mm	30m	12m	19
28°	12.0mm	16m	6m	28
40°	8.0mm	12m	4m	40
53°	6.0mm	8m	2.3m	53
80°	4.0mm	6m	2m	80
92°	3.6mm	4m	1.8m	92

#### Specify Cable Entries [#2]

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 (includes threaded M20 cable gland)	iCAM100-WB2
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