

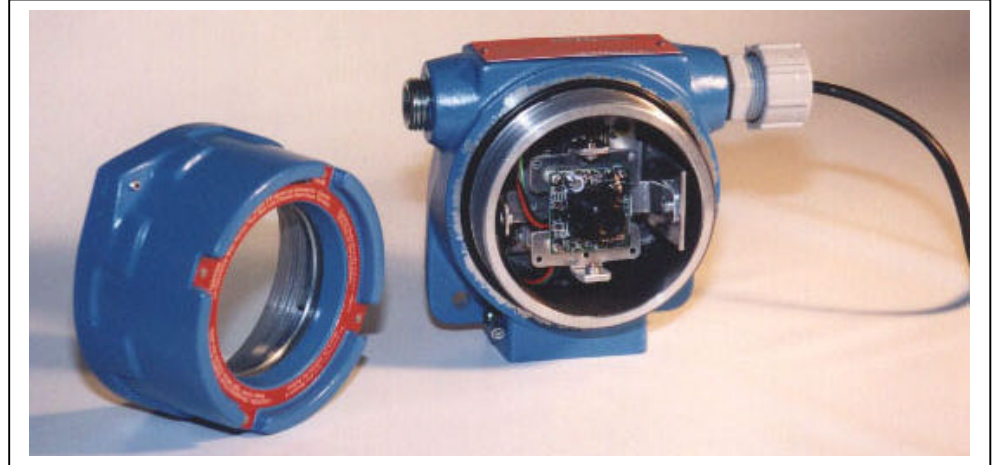
## EX70 Explosion Protected - Surveillance Camera

A compact pan/tilt adjustable CCD camera in a standard Class I, Division 1 instrumentation housing is a versatile and cost effective surveillance system for hazardous factory applications.

Now you can install video surveillance very close to operating equipment in hazardous factories using the same miniature electronics that has revolutionized the security industry.

A range of lenses from wide angle 2.5 mm to longer range 16.0 mm are available to ensure the view you need at a resolution of up to 600 lines using a 1/3" Sony chip.

The EX70N.8300 model includes infrared for video performance in darkness.



### General Specifications:

Construction: Aluminum, Cast, Copper-Free  
2.625" diameter tempered glass  
Dimensions: 4.5" x 4.8" x 3.8" deep  
Weight: 4.4 lbs (2.0 kg)

### Certifications:

Explosion: CSA / UL, Class I, Groups B, C, D, Div 1&2  
CSA / UL, Class II, Groups E, F, G, Div 1&2  
CSA / UL, Class III  
CENELEC, EExd IIC  
Environmental: NEMA 4, 7BCD, 9EFG

### Applications:

- *Hazardous Location surveillance*
- *Explosion Protected surveillance*
- *Rugged All-Weather surveillance*
- *Factories, Industrial Plants*
- *Grain Elevators*
- *Munitions Storage*
- *Fuel Storage Facilities*
- *Wall-Mount Installations*
- *Machine Vision*

### Features:

- *Compact, Rugged enclosure*
- *Preharnessed Plug & Play*
- *High-Res Monochrome*
- *High-Res Color Available*
- *Economical hazardous area solution*
- *Voltage Regulator (VRB) equipped for 12VDC / 24VAC input power*

Dealer / Distributor :

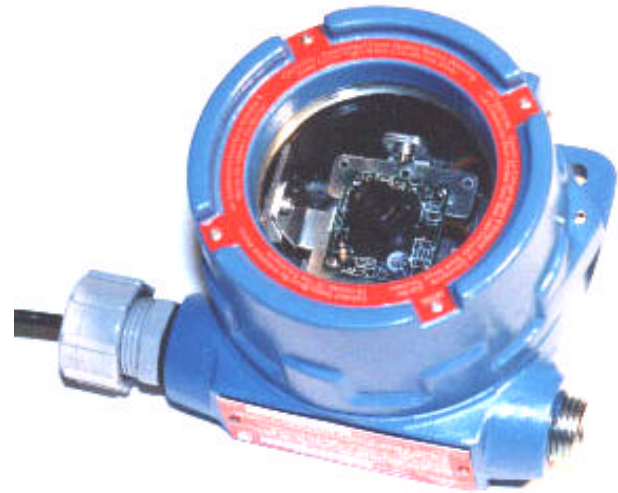
**Derwent Extreme Technologies Inc.**

Global HQ: [www.ExtremeCCTV.com](http://www.ExtremeCCTV.com)

USA / Canada: 4060 McConnell Drive, Burnaby, BC Canada V5A 3A8  
Toll Free N.A. 888-409-2288 Tel. +1.604.533.6644 Fax +1.604.533.7800

**Specifications for EX70S.104 Monochrome:**

Pick-up device	Sony 1/3" CCD B/W interline
Resolution	420 TV lines
Video output	1 V p-p, 75 Ohm, NTSC
S/N	>50 dB
Spectra sensitivity	400 to 940 nm
Light sensitivity	0.08 Lux (F1.2)
Electronic iris	1/60 to 1/100,000 second
Auto gain control	>18dB
Input power	12 VDC or 24 VAC
Power Consumption	<120mA at 12VDC
Ambient operating temperature	-10° C to + 60° C (14° F to +140° F)


**Lenses**

Focal Length (mm)	3.0	3.6	6.0	8.0	12
F	2.0	2.0	2.5	2.0	2.0
Viewing Angle (H)	120°	92°	53°	40°	25°

**Part Numbers:**

<b>EX70S.3XXcs</b>	Monochrome Sony CCD 420 line w/ 24/12 VRB, CS-mount
<b>EX70S.6XX</b>	Monochrome Sony CCD 600 line w/ 24/12 VRB
<b>EX70C.3XX</b>	Color DSP CCD 350 line w/ 24/12 VRB,
<b>EX70C.7XX</b>	Color DSP 1/3" CCD 480 line w/ 24/12 VRB
<b>EX70N.83XX</b>	Night Vision – Mono 420 TVL, 24 LEDs, 850 nm

XX – Specifies lens provided at time of order

<b>02</b> - 2.5 mm	<b>04</b> - 3.6 mm	<b>08</b> - 8.0 mm
<b>03</b> - 2.9 mm	<b>06</b> - 6.0 mm	<b>12</b> - 12.0 mm
		<b>16</b> - 16.0 mm

**Other Explosion Proof Products**
**from Extreme CCTV:**

- **EX50 Compact Extruded Aluminum**
- **EX60 Full Size Extruded Aluminum**
- **EX100 Full Size, Extreme Weather Stainless Steel System**

**Note:** The use of explosion protected housings may be subject to local or regional regulatory approval. The authorities having jurisdiction for each installation and application may vary and their respective requirements may differ. The integration of your equipment within the EX70 may be subject to local authority approval. While Extreme CCTV is not responsible for these specific requirements, it will make available the test plans and CSA/UL certifications if necessary to assist its customers with the requirements of local authorities having jurisdiction.

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