

# Electronic “Easy” Day/Night Cameras

**ernitec**

## Description

This range of electronic *Easy* Day/Night cameras includes cost-efficient, as well as highly advanced, fully featured models. Both mains supplied as well as low voltage versions are available.

Advanced DSP image processing replaces the costly traditional mechanical IR-cut filter.

Day/Night cameras should be combined with Infrared corrected Day/Night lenses. The IR-correction will ensure a perfectly focused picture under all lighting conditions, even when changing directly from infrared illumination to daylight.

Even when IR-illumination isn't used, using Day/Night-lenses will result in a sharper and crisper picture reproduction when used outdoor, due to the high IR-part of sunlight, compared to ordinary lenses.



Series ECB251



Series ECB231

## ECB231

- **Cost-efficient entry-level electronic Day/Night camera**
- 1/3" 520 TVL
- Switch selection of AGC, BLC, D/N or Colour mode
- For DC Auto Iris or Manual Iris lenses

## ECB251

- **High specification electronic Day/Night camera**
- 1/3" **High-Res 540 TVL** Super HAD CCD-sensor
- On-Screen Display and Setup
- Privacy Masks
- Dynamic Noise Reduction (DNR)
- High-Res Y/C-SVHS output
- Easy Thumb-Wheel back focus setting

# Specifications

Type	ECB231-DP-M / -D	ECB251-DP-M / -D
Sensor format & mount / CCD type	1/3" CS / Interline	1/3" CS / Super HAD
Video output	1 Vpp PAL	1 Vpp PAL
Horizontal resolution	520 TV Lines	540 TV Lines
Effective number of pixels	752x582	752x582
Minimum illumination, F1.2, AGC ON	0.03 lux @ 10 IRE 0.5 lux @ 50 IRE	0.03 lux @ 10 IRE 0.55 lux @ 50 IRE
Electronic shutter	Auto 1/50-1/100000 s	Auto 1/50-1/100000 s. / Manual (9 steps)
Iris Control modes	DC Auto, Manual (AES)	DC & Video Auto, Manual (AES)
S/N Ratio, AGC Off	50 dB	50 dB
Video synchronisation	Internal	Internal / Mains Lock
AGC	ON/OFF	Normal/Turbo/OFF
BLC – Backlight Compensation	ON (centre based) /OFF	ON (6 factory modes) / OFF
White Balance	ATW	ATW (2 modes) / Manual
Day/Night mode	Auto / OFF	Auto (3 levels) / Colour / B & W
Gamma correction	0.45	0.45 / 1.0
Setup	Switches	OSD
<b>Special Functions</b>		
Camera ID	-	16 characters
Privacy Zones	-	8
Colour level adjustment	-	Yes
Dynamic Noise Reduction (DNR)	-	3 levels
Horizontal Picture Mirror function	-	Yes
<b>Power supply</b>		
Voltage	<b>-M:</b> 90-260 VAC <b>-D:</b> 12 VDC / 24 VAC ± 10%	<b>-M:</b> 90-260 VAC <b>-D:</b> 12 VDC / 24 VAC ± 10%
Power consumption (max.)	3.5 W	6.0 W
<b>Physical Characteristics</b>		
Size (WxHxD)	48 x 46 x 115 mm	50 x 62 x 126 mm
Weight	500 g.	500 g.
Operating temperature	-10° to +50° C	-10° to +50° C
Humidity max.	90% RH	90% RH



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#### Denmark Head Office

Ernitec A/S  
Hørkær 24  
2730 Herlev  
Denmark  
Phone: +45 44 50 33 00  
Fax: +45 44 50 33 33  
info@ernitec.dk  
www.ernitec.com

#### French Branch Office

Ernitec France SARL  
N° 29 Parc Club du Millenaire  
1025 Rue Henri Becquerel  
34036 Montpellier cedex 1  
France  
Phone: +33 (0) 467 151 015  
Fax: +33 (0) 467 640 181  
info@ernitec.fr  
www.ernitec.com

#### German Branch Office

Ernitec GmbH  
Stormarnring 28  
22145 Stapelfeld  
Germany  
Phone: +49(0)(40) 675 6250  
Fax: +49(0)(40) 675 625 25  
info@ernitec.de  
www.ernitec.com

#### UK Branch Office

Ernitec UK  
Columbia House  
Columbia Drive  
Worthing  
West Sussex BN13 3HD  
UK  
Phone: +44(0)1903263125  
Fax: +44(0)1903263126  
info@ernitec.co.uk  
www.ernitec.com

#### Middle East Office

Ernitec ME  
Hamra - Makdesi Street  
Younis Center - 5th floor  
Office no. 503  
P.O.Box: 113/5721  
Beirut  
Lebanon  
Phone: +961 1 751 796  
Fax: +961 1 751 795  
info@ernitecme.com  
www.ernitecme.com