

# Product Information

## Monitors

### Video Monitors (Monochrome)

**EM-96D      EM-121D      EM-141D      EM-171D      EM-201D**

#### Product Data

- max. 1.000 TV lines resolution
- professional metal housing
- 96-256 V AC
- automatic switching between EIA and CCIR (multi-norm)
- uniform design for all models



#### Description

**T**o meet today's demand for high reliability and quality, we have applied strict standards to all electronics with many detailed improvements and optimised electronic circuits. videotronic infosystems CCTV monitors are using high resolution picture tubes with reliable quality and performance.

**T**he entire range of videotronic infosystems monochrome CCTV monitors comes in a uniform professional industrial design which guarantees a homogeneous appearance in complex systems with different monitor sizes. To comply with all possible market or system requirements our monochrome monitors are available with different screen sizes between 9" (23cm) and 20" (51cm).

**T**he monitors can operate with voltages between 96 and 256 V AC, which makes it possible to use these monitors nearly everywhere. The monitors detect which scanning system (CCIR or EIA) they are connected to and automatically switch to the corresponding mode.

**T**he entire range of videotronic infosystems monochrome CCTV monitors includes high quality components and offers excellent value for money.

**Security in Focus.**

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## Technical Specifications

<b>Screen size</b>	23 cm ( 9") 31 cm (12") 36 cm (14") 43 cm (17") 51 cm (20")
<b>Resolution</b>	1,000 lines
<b>Band width</b>	14 MHz
<b>Video amplification</b>	30 dB
<b>Gradation</b>	max. 400 steps
<b>Signal-to-noise ratio</b>	50 dB
<b>Geometric distortion</b>	± 2 %
<b>Deflection</b>	electromagnetic
<b>High-voltage</b>	11 KV
<b>High-voltage stability</b>	> 90 %
<b>Scanning system</b>	EIA / CCIR, multinorm (50 / 60 Hz)
<b>Video input signal</b>	BAS 0.5 - 2 Vpp
<b>Line termination</b>	output 75 Ω switchable
<b>Voltage / consumption</b>	96 - 256 V AC / 92 VA
<b>Operating temperature</b>	-10° to +55° C
<b>EMC</b>	acc. to EN-50081-1, EN-55011 class B
<b>EMI</b>	acc. to EN-50082-2, EN-50204, EN-61000-4,-2,-3,-4,-6
<b>Safety</b>	acc. to EN-60950, EN-60065
<b>Protective system</b>	IP40/class I
<b>Safety class</b>	acc. to
<b>Control elements</b>	contrast / brightness / V-hold / H-hold
<b>Weight</b>	9" = 6 kg / 12" = 9 kg 14" = 15 kg / 17" = 14 kg / 20" = 18 kg
<b>Dimensions (W x H x D)</b>	9" = 220 x 227 x 250 mm 12" = 310 x 300 x 300 mm 14" = 325 x 327 x 327 mm 17" = 420 x 435 x 420 mm 20" = 490 x 470 x 360 mm
<b>Housing design</b>	sheet steel
<b>Housing colour</b>	RAL 7035 grey/beige

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Errors and omissions excepted.

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