

Product Information

Monitors

Colour Video Monitors Standard / High Resolution

CM-10 CM-21 HQ-CM-14 HQ-CM-17

Product Data

- up to 750 TV lines resolution
- professional metal housing
- stabilised high voltage circuit
- 96 - 256 V/AC switching PSU
- uniform design for all models
- multi-norm PAL or NTSC
- Y/C (S-VHS) input (HQ-CM models)
- very small dot pitch (HiRes)
- 10" up to 21" (25 – 53 cm) screen size



Description

To meet today's demand for high reliability and quality, videotronic applies strict standards to all electronics with many detailed improvements and optimised electronic circuits. All of videotronic infosystems CCTV monitors are using high resolution picture tubes with reliable quality and performance.

The entire range of videotronic infosystems colour CCTV monitors comes in a uniform professional industrial design which guarantees a homogeneous appearance in complex systems with different monitor sizes. Our colour monitors are using a switching power supply unit that accepts voltages from 96 up to 256 VAC. All monitors have an automatic PAL/NTSC video norm detection circuit. The HQ-CM series has an additional Y/C (S-VHS) input.

Videotronic infosystems colour CCTV monitors are made out of high quality components and offer excellent value for money.

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Monitors

Technical Specifications

| Type | CM-10 | HQ-CM-14 | HQ-CM-17 | CM-21 |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Screen size | 10" (25 cm) | 14" (36 cm) | 17" (43 cm) | 21" (53 cm) |
| Resolution | 350 TV lines | 720 TV lines | 750 TV lines | 450 TV lines |
| Band width | 6 MHz | 7 MHz | 6.25 MHz | 6 MHz |
| Luminance | 200 cd/m ² | 200 cd/m ² | 200 cd/m ² | 200 cd/m ² |
| Dot pitch | 0.63 mm | 0.28 mm | 0.28 mm | 0.7 mm |
| Video gain | 30 dB | 30 dB | 30 dB | 30 dB |
| Gradation | max. 400 steps | max. 400 steps | max. 400 steps | max. 400 steps |
| Signal-to-noise ratio | 52 dB | 52 dB | 52 dB | 52 dB |
| Geometric distortion / hum | +/- 2% / < 0.5% | +/- 2% / < 0.5% | +/- 2% / < 0.5% | +/- 2% / < 0.5% |
| Deflection | electromagnetic | electromagnetic | electromagnetic | electromagnetic |
| High voltage stability | > 90 % | > 90 % | > 90 % | > 90 % |
| Time error correction | > 75 lines | > 75 lines | > 75 lines | > 75 lines |
| V/H synchronisation | internal FBAS | internal FBAS | internal FBAS | internal FBAS |
| VCR / normal mode | automatic | automatic | automatic | automatic |
| Scanning system | PAL / NTSC | PAL / NTSC | PAL / NTSC | PAL / NTSC |
| Video input signal | 0.5 - 2 Vpp | 0.5 - 2 Vpp | 0.5 - 2 Vpp, Y/C | 0.5 - 2 Vpp, Y/C |
| Operating voltage | 96-256 VAC | 96-256 VAC | 96-256 VAC | 96-256 VAC |
| Ambient temperature | -10° - +55° C | -10° - +55° C | -10° - +55° C | -10° - +55° C |
| IP rating | IP40 / class 1 | IP40 / class 1 | IP40 / class 1 | IP40 / class 1 |
| MTBF | 25,000 h | 25,000 h | 25,000 h | 25,000 h |
| EMI | acc. to EmVG | acc. to EmVG | acc. to EmVG | acc. to EmVG |
| EMC | acc. to EmVG | acc. to EmVG | acc. to EmVG | acc. to EmVG |
| Safety | acc. to EmVG | acc. to EmVG | acc. to EmVG | acc. to EmVG |
| Weight | approx. 8.5 kg | approx. 14 kg | approx. 25.5 kg | approx. 26.5 kg |
| Dimensions (WxHxD) mm | 262x238x292 | 355x320x380 | 422x420x475 | 490x455x500 |
| Housing finish | sheet steel | sheet steel | sheet steel | sheet steel |
| Housing colour | RAL 7035 | RAL 7035 | RAL 7035 | RAL 7035 |
| Connections | | | | |
| Video IN | BNC | BNC / BNC S-VHS | BNC / S-VHS | BNC / S-VHS |
| Video OUT | BNC | BNC / BNC S-VHS | BNC / S-VHS | BNC / S-VHS |
| Power | mains cord | mains cord | mains cord | mains cord |
| Accessories (included) | instructions | instructions | instructions | instructions |

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Errors and omissions excepted.

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