

# Video Security



## EMD-15C3/QUAD

Combo System with 15" Monitor, 4-channel Mux/DVR, 1 Dome Camera VKCD-148SC

Art-No. 90474



## Features

15" Flat Screen Monitor, Built-in DVR/Multiplexer  
 4x Modular and 4x CVBS Inputs / RJ-45 Network  
 Recording: 50 Fields/sec. / Real-time Playback  
 Resolution: 720x240 Pixels max. (for Recording)  
 Simultaneous Recording & Playback (Duplex)  
 Simultaneous Live & Playback in 3x3 Split

Display: Full, Quad, 9x Split, Zoom, Sequence  
 Programmable Day & Night Motion Detection  
 Multiple Recording Options / Alarm Management  
 Network Funktionen: Live / Playback / Search  
 1/4" Dome Camera with 18m System Cable included

## Specifications

<b>Monitor:</b>	
Screen size	15" (38cm)
Picture tube type (CRT)	90° In-line flat screen (0.7mm DOT Pitch)
Video standard	PAL/NTSC (auto select)
Displays	OSD - Menu
Menu languages	English/German//French/Spanish/Italian. RCC S/W: English
<b>Operations (Front part)</b>	On-screen menu ON, Menu selection, Input selectors, Mode, Recorder control, Quad, Sequence, Audio, Zoom, Power ON/OFF
Zoom function	2x (at full screen mode)
Colour scales	16 mio.
Grey scales	256 (8 bit)
Video inputs	4x 1Vp-p, CVBS, BNC loop-through inputs, and via system cable (RJ-11)
Monitor outputs	1Vp-p, 75ohms, BNC
Audio input	4x Line input
Audio output	1x Line output
Activity detection	Integrated motion detector

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(Specifications continued)

<b>Alarm inputs</b>	4x for NO or NC contacts (via 6-pin system connector)
<b>Alarm output</b>	1x NO/NC relay contact
<b>Alarm processing</b>	Motion detection, Alarm contacts, Screen configuration (Full Quad, unchanged), Video loss alarm, Buzzer
<b>Cable connection</b>	6-pin (RJ-11) for system cable (Audio, Video, Power), BNC in/out (Video), RS-485 (serial interface), DVR in/out (Time Lapse, ext. DVR), RJ-45 (Network), Alarm out
<b>Serial interfaces</b>	RS-485,
<b>Network interface</b>	10/100 Base-TX, RJ45
<b>Network protocols</b>	TCP/IP
<b>Network functions</b>	Live, Playback, Local recording and playback, Search
<b>Network connection</b>	1x RJ45
<b>Remote configuration</b>	Via Internet browser
<b>Backup</b>	Via TCP/IP, One user at the same time
<b>Password protection</b>	Multi level (administrators and users)
<b>Supply voltage</b>	100~240VAC, 50/60Hz
<b>Power consumption</b>	110watts
<b>Temperature range</b>	0°C ~ +35°C
<b>Housing</b>	Aluminium with plastic front
<b>Colour</b>	Light grey
<b>Dimensions (HxWxD)</b>	343x363x462mm
<b>Weight</b>	Approx. 17,5kg
<b>Digital IP Recorder:</b>	
<b>Compression Standard</b>	MJPEG
<b>Resolution</b>	720x240 (Full), 360x240 (Half)
<b>Recording modes</b>	Schedule, Manual, Alarm
<b>Recording speed</b>	50 Fields/sec. max.
<b>Image display</b>	50 ~ 0.1 Fields/sec. (1 camera); 25 ~ 0.1 Fields/sec. (multiple cameras). Real time display
<b>Display options</b>	Live: Full, Quad, Sequence, Zoom; Playback: Full, Quad, 9-split, Zoom. Simultaneous live view and playback in in the 3x3 screen. Freeze (up to 50 days).
<b>Hard disk drive</b>	80Gb IDE HDD (extendable up to 250Gb*)
<b>Dome camera:</b>	
<b>Imager</b>	1/4" Interline Transfer CCD
<b>Horizontal resolution</b>	330 TV lines (both)
<b>Sensitivity at 50% video signal</b>	1.0Lux at F1.2 (VT measurement result)
<b>Automatic shutter control (AES)</b>	1/50 - 1/100,000Sec.
<b>Focal length (f)</b>	F2.0/3.6mm
<b>Usable iris controls</b>	Manual/Auto Iris/DC controlled iris (AI/DC: box camera only)
<b>Supply voltage</b>	15VDC / 2 ~ 3watts (supplied from monitor)
<b>Temperature range (Operation)</b>	-10° ~ +50°C
<b>Dimensions (DxH)</b>	125x96mm
<b>Weight</b>	250g
<b>Parts supplied</b>	18m System cable

**Accessories**

<b>92042 / VKC-1342SC</b>	1/3" Colour System Camera, F2.0/3.6mm, Sunshield, 18m Cable, Wallbracket, IP67
<b>71913 / HDD-160/WD</b>	Hard Disk Drive 160GB for 15" Combo System EMD-15xx/QUAD incl. Assembling
<b>71914 / HDD-250/WD</b>	Hard Disk Drive 250GB for 15" Combo System EMD-15xx/QUAD incl. Assembling
<b>90471 / EMD-AK/30</b>	Connection cable, 30m for 4-channel Multiplexer/DVR Combo System EMD
<b>90406 / EMD-AK/90</b>	Connection cable, 90m for 4-channel Multiplexer/DVR Combo System EMD
<b>92032 / VKC-1418SC</b>	1/4" Colour System Camera, CS, Lens, Wall Bracket, 18m RJ-11 Modular Cable
<b>92033 / VKCD-148SC</b>	1/4" Colour Dome Camera, Lens 3.6mm, 18m RJ-11 Modular Cable