Digital Video Recorder 440/480 Series

www.boschsecurity.com





The Bosch Video Recorder 440/480 Series is a 4/8 channel digital recorder that uses the latest H.264 compression technology. With the supplied Control Center software and built-in web server, the 440/480 Series is a fully integrated, stand-alone video solution that's ready to go, straight out of the box.

Available in 4-channel and 8-channel versions, the 440/480 Series features a highly reliable embedded design that minimizes maintenance and operational costs.

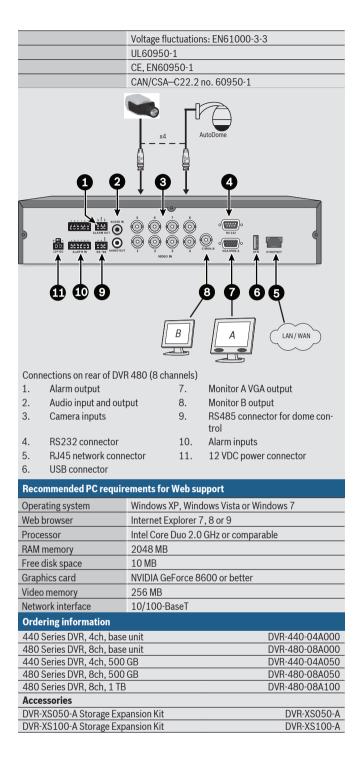
Features

- ▶ 4/8-Channel real-time recording
- ► Flexible viewing with two monitor outputs
- ▶ Remote viewing, playback, control, and configuration
- ► Easy Pan/Tilt/Zoom camera control
- ► DVR viewer iPhone App

Technical specifications

110-240 VAC; 50/60 Hz; 1.8 A
12 VDC; 3 A
12 VDC; 3 A
12100,011
SVGA
PAL / NTSC auto-detect
SVGA: 800x600, 1024x768 or 1280x1024
PAL: 720x576, NTSC: 720x484
2 times
Automatic gain adjustment for each video input
H.264
Composite video 1 Vpp, 75 ohm, automatic termina- tion
Monitor A: VGA RGB
Monitor B: 1 Vpp, 75 ohm, sync. 0.3 V ±10%
Mono RCA, 1.0 Vpp
Mono RCA, 1.0 Vpp
ADPCM
16 kHz per channel
8-bit
4/8 Inputs configurable NO/NC, max input voltage 15 VDC
1 Relay output, configurable NO/NC, max. rated 30 VAC, 30 VDC 0.5 A continuous
Output signals according to EIA/TIA-232-F, max. in- put voltage ±25 V
Bosch domes via RS232/Bi-phase converter
Output signals according to RS485, max. signal volt- age -8 to +12 V
Bosch domes, and Pelco P and D
4/8 BNC
1 VGA d-SUB, 1 BNC
Screw terminal inputs, cable diameter AWG26-16 (0.13-1.5 mm)
1 RCA (CINCH)
1 RCA (CINCH)
RJ45, 10/100 BaseT according to IEEE802.3
DB9 Male
Screw terminal output, cable diameter AWG28-16 (0.08-1.5 mm)
Type A Connector
USB 2.0 on front and rear for mouse or USB memory device
Supports 1 SATA hard drive up to 1TB.
(Third party hard disks are supported from firmware version 2.0.6 onwards. A list of tested disks is availa- ble in the instruction manual.)* damages or system malfunction resulting from the use of non-Bosch drives in DVR recorders.
May 20 IDC new sharmed confirmable 20, 45, 7,5
Max. 30 IPS per channel, configurable: 30, 15, 7.5, 5, 3, 1

PAL	Max. 25 IPS per channel, configurable: 25, 12.5,
	6.25, 5, 2.5, 1
Recording Quality	Best, High, Normal, Low, Lowest
Average Recording Capaci	
CIF, Normal, 25/30 IPS	PAL: 550 Hours, NTSC: 685 Hours
CIF, Normal, 6.25/7.5 IPS	PAL: 1400 Hours, NTSC: 1700 Hours
2CIF, Normal, 12.5/15 IPS	PAL: 460 Hours, NTSC: 575 Hours
4CIF, Normal, 6.25/7.5 IPS	PAL: 370 Hours, NTSC: 460 Hours
Maximum recording rates	
Local Stream 8 channels	
4CIF	PAL: 6.25 IPS, NTSC: 7.5 IPS
2CIF	PAL: 12.5 IPS, NTSC: 15 IPS
CIF	PAL: 25 IPS, NTSC: 30 IPS
Local Stream 4 channels	
4CIF	PAL: 12.5 IPS, NTSC: 15 IPS
2CIF	PAL: 25 IPS, NTSC: 30 IPS
CIF	PAL: 25 IPS, NTSC: 30 IPS
Local Stream 2 channels	
4CIF	PAL: 25 IPS, NTSC: 30 IPS
2CIF	PAL: 25 IPS, NTSC: 30 IPS
CIF	PAL: 25 IPS, NTSC: 30 IPS
Local Stream 1 channel	
4CIF	PAL: 25 IPS, NTSC: 30 IPS
2CIF	PAL: 25 IPS, NTSC: 30 IPS
CIF	PAL: 25 IPS, NTSC: 30 IPS
Remote (network) Stream	4 channels
CIF	PAL: 12.5 IPS, NTSC: 15 IPS
Remote (network) Stream	2 channels
CIF	PAL: 25 IPS, NTSC: 30 IPS
Display Modes	
Display Modes Monitor A	Full, multiscreen, sequence (live and playback), alarm call-up (live)
	alarm call-up (live)
Monitor A Monitor B	
Monitor A	alarm call-up (live) Full, multiscreen, sequence, alarm call-up (live)
Monitor A Monitor B Recording Modes	alarm call-up (live)
Monitor A Monitor B Recording Modes Normal	alarm call-up (live) Full, multiscreen, sequence, alarm call-up (live) Continuous recording (with or without overwriting) Input and motion recording (with or without over-
Monitor A Monitor B Recording Modes Normal Event	alarm call-up (live) Full, multiscreen, sequence, alarm call-up (live) Continuous recording (with or without overwriting) Input and motion recording (with or without over-
Monitor A Monitor B Recording Modes Normal Event Mechanical Dimensions (WxDxH)	alarm call-up (live) Full, multiscreen, sequence, alarm call-up (live) Continuous recording (with or without overwriting) Input and motion recording (with or without over- writing) 225 x 325 x 60 mm
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