BOSCH
Invented for life

VCM7 / VC7 Digital Color & B/W Cameras Series

▸ Digital color and black and white cameras with superb picture quality

▸ Automatic cable length compensation

▸ Video motion detection

▸ Adjustable field of view

▸ Backlight compensation

▸ Wide range of camera lens and housing combinations
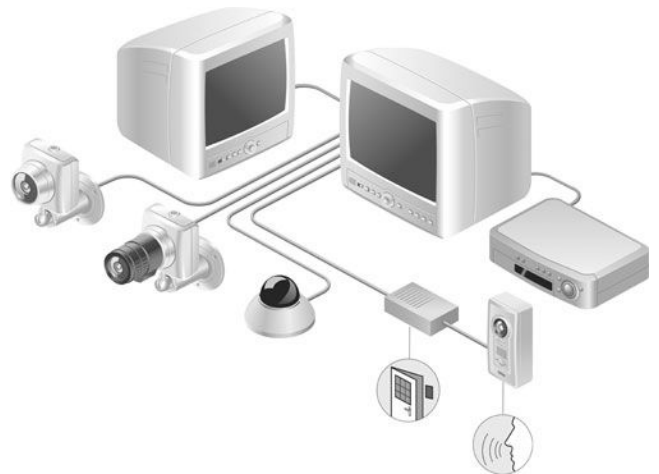
Focused on optimum security

The innovative Eazeo digital color and black and white Cameras deliver superb picture quality thanks to excellent light sensitivity and enhanced color, sharpness and contrast. They are the perfect solution for optimizing identification and recognition in security monitoring.

For indoor applications there is a choice of cameras with integrated lens, integrated varifocal lens and minidome. For outdoor use or aiming at a doorway where light levels may vary, cameras with CS-mount and varifocal DC-iris lenses are available. Varifocal lenses allow the field of view to be adjusted on-site.

These cameras also feature advanced functions like video motion detection (with selectable area and sensitivity) and adjustable field of view. They have automatic backlight and cable length compensation. Connections are made using the system cables supplied. Eazeo cameras are backed by a three-year warranty and an advanced replacement program. A helpdesk is available for your assistance.

For a full product overview see "Your guide to observation".

Installation/Configuration Notes

Digital cameras for color observation system

Technical Specifications

Digital color observation system cameras

Sensor	1/4-inch color CCD or B/W CCD
Number of Pixels	500 (H) x 582 (V) for PAL – interlaced 510 (H) x 492 (V) for NTSC – interlaced
Horizontal Resolution	Color: 320 TVL B/W: 380 TVL
Light Sensitivity	Color: < 2 lux, B/W: < 0.2 lux, (50 IRE, 100% scene reflection)
Connection TP	4-pole RJ11E (Video, Audio, Power, Comm.)
Input Voltage	24 VDC
Power Consumption	< 2 W
AGC Range	Automatic
Electronic Shutter Range	1/50 sec. to 1/100,000 sec.
Backlight Compensation	Weighting window in center of picture Window size between 33-40% of picture height
Audio Output	Built-in electret microphone 300 Hz–4 kHz
White Balance	Automatic 2500-9000K (only for color cameras)

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Lens Type

PAL	NTSC	
VCM7C130/00T	VC7C1305T	3 mm fixed focal lens, f 2.0
VCM7C230/00T	VC7C2305T	3-6 mm varifocal lens, f 1.2
VCM7C272/00T	VC7C2725T	2.8-10 mm CS-mount varifocal DC-iris lens, f 1.4-360
VCM7C275/00T	VC7C2755T	5-50 mm CS-mount varifocal DC-iris lens, f 1.7-360
VCM7D130/00T	VC7D1305T	3 mm fixed focus lens, f 2.0
CCIR	**EIA**	
VCM7B272/00T	VC7B2725T	2.8-10 mm CS-mount varifocal DC-iris lens, f 1.4-350

.
Weight

PAL	NTSC	
VCM7C130/00T	VC7C1305T	approx. 0.25 kg (0.55 lbs.)
VCM7C230/00T	VC7C2305T	approx. 0.25 kg (0.55 lbs.)
VCM7C272/00T	VC7C2725T	approx. 0.25 kg (0.55 lbs.)
VCM7C275/00T	VC7C2755T	approx. 0.34 kg (0.75 lbs.)
VCM7D130/00T	VC7D1305T	approx. 0.31 kg (0.68 lbs.)
CCIR	**EIA**	
VCM7B272/00T	VC7B2725T	approx. 0.25 kg (0.55 lbs.)

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Dimensions (HxWxD)

PAL	NTSC	
VCM7C130/00T	VC7C1305T	74x70x65 mm (2.9x2.8x2.6 in)
VCM7C230/00T	VC7C2305T	74x70x85 mm (2.9x2.8x3.3 in)
VCM7C272/00T	VC7C2725T	74x70x105 mm (2.9x2.8x3.7 in)
VCM7C275/00T	VC7C2755T	74x70x115 mm (2.9x2.8x4.5 in)
VCM7D130/00T	VC7D1305T	Ø 115x80 (H) (4.5x3.1 in)
CCIR	**EIA**	
VCM7B272/00T	VC7B2725T	74x70x105 mm (2.9x2.8x3.7 in)

Operational Temperature	-10℃ …45℃ (14℉ …113℉)
Storage Temperature	-25℃ …70℃ (-13℉ …158℉)
Relative Humidity	0% to 95% RH (Non-condensing)
Add-ons	Cable 15 m (45 ft.) (4-wire dual twisted pair) Mono-pod

Ordering Information

Model | Description

VCM7C130/00T, Eazeo Digital Color Camera
1/4-inch with 3 mm integrated lens, PAL

VCM7D130/00T, Eazeo Digital Color Camera
1/4-inch minidome camera with 3 mm integrated lens, PAL

VCM7C230/00T, Eazeo Digital Color Camera
1/4-inch with 3-6 mm varifocal integrated lens, PAL

VCM7C272/00T, Eazeo Digital Color Camera
1/4-inch with 2.8-10 mm varifocal, DC-iris, CS-mount lens, PAL

VCM7C275/00T, Eazeo Digital Color Camera
1/4-inch with 5-50 mm varifocal, DC-iris, CS-mount lens, PAL

VCM7H272/00T, Eazeo Digital Color Camera
1/4-inch outdoor camera assembly, includes VCM7C272/00T camera and VCM1353/00T housing, PAL

VCM9736/10T, Eazeo Digital Color Camera
Covert color camera in PIR housing, PAL

VCM9736/11T, Eazeo Digital Color Camera
Covert color camera in smoke detector housing, PAL

VCM7B272/00T, Eazeo Digital B/W Camera
1/4-inch with 2.8 - 10 mm varifocal, DC-iris CS-mount lens, CCIR (for use with color observation system)

VC7C1305T, Eazeo Digital Color Camera
1/4-inch with integrated 3 mm fixed lens, NTSC

VC7D1305T, Eazeo Digital Color Camera
1/4-inch, minidome with integrated 3 mm fixed lens, NTSC

VC7C2305T, Eazeo Digital Color Camera
1/4-inch with 3-6 mm varifocal integrated lens, NTSC

VC7C2725T, Eazeo Digital Color Camera
1/4-inch with 2.8-10 mm varifocal, DC-iris CS-mount lens, NTSC

VC7C2755T, Eazeo Digital Color Camera
1/4-inch with 5-50 mm varifocal, DC-iris CS-mount lens, NTSC

VC7H2725T, Eazeo Digital Color Camera
1/4-inch outdoor camera assembly, includes VC7C2725T camera and VCM1353/00T housing, NTSC

VC973650T, Eazeo Digital Color Camera
Covert color camera in PIR housing, NTSC

VC973651T, Eazeo Digital Color Camera
Covert color camera in smoke detector housing, NTSC

VC7B2725T, Eazeo Digital B/W Camera
1/4-inch with 2.8 - 10 mm varifocal, DC-iris CS-mount lens, EIA (for use with color observation system)

Hardware Accessories

VSS7390/11T Color Switcher System
14-inch monitor, PAL, 4 input switcher with one camera VCM7C130/00T, 240 VAC, 50 Hz

Ordering Information

Model | Description

VSS7390/21T Color Switcher System
14-inch monitor, PAL, 4 input switcher with one camera VCM7C230/00T, 240 VAC, 50 Hz

VSS7390/31T Color Switcher System
14-inch monitor, PAL, 4 input switcher with one camera VCM7C272/00T, 240 VAC, 50 Hz

VSS7390/41T Color Switcher System
14-inch monitor, PAL, 4 input switcher with one minidome camera VCM7D130/00T, 240 VAC, 50Hz

VSS8394/10T Color Multiplexer System
14-inch monitor, PAL, 8 input Multiplexer, 240 VAC, 50 Hz. (without camera)

VSS8394/14T Color Multiplexer System
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C130/00T, 240 VAC, 50 Hz.

VSS8394/34T Color Multiplexer System
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C272/00T, 240 VAC, 50 Hz.

VSS8394/44T Color Multiplexer System
14-inch monitor, PAL, 8 input multiplexer with four minidome cameras VCM7D130/00T, 240 VAC, 50 Hz.

VSS8394/74D Color Multiplexer System
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C130/00T, 240 VAC, 50 Hz. + Eazeo DVR1B1161

VSS8394/94T Color Multiplexer System
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C130/00T, 240 VAC, 50 Hz + VCR RT30A/51

VSS7902/00T Alarm / Action Box
For detectors and door locks, PAL

VSS7915/00T Outdoor Video Intercom unit
Signal TP cable, 4-pole RJ11E, 24 VDC, PAL

VSS9490/90T Color Monitor
14-inch add-on monitor for color observation systems, PAL

VSS7390/11U Color Switcher System (UK)
14-inch monitor, PAL, 4 input switcher with one camera VCM7C130/00T, 240 VAC, 50 Hz

VSS7390/21U Color Switcher System (UK)
14-inch monitor, PAL, 4 input switcher with one camera VCM7C230/00T, 240 VAC, 50 Hz

VSS7390/31U Color Switcher System (UK)
14-inch monitor, PAL, 4 input switcher with one camera VCM7C272/00T, 240 VAC, 50 Hz

VSS7390/41U Color Switcher System (UK)
14-inch monitor, PAL, 4 input switcher with one minidome camera VCM7D130/00T, 240 VAC, 50 Hz

VSS8394/10U Color Multiplexer System (UK)
14-inch monitor, PAL, 8 input Multiplexer, 240 VAC, 50 Hz. (without camera)

VSS8394/14U Color Multiplexer System (UK)
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C130/00T, 240 VAC, 50 Hz.

VSS8394/34U Color Multiplexer System (UK)
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C272/00T, 240 VAC, 50 Hz

VSS8394/44U Color Multiplexer System (UK)
14-inch monitor, PAL, 8 input multiplexer with four minidome cameras VCM7D130/00T, 240 VAC, 50 Hz

Ordering Information

Model | Description

VSS8394/74U Color Multiplexer System (UK)
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C130/00T, 240 VAC, 50 Hz. + Eazeo DVR1B1161

VSS8394/94U Color Multiplexer System (UK)
14-inch monitor, PAL, 8 input multiplexer with four cameras VCM7C130/00T, 240 VAC, 50 Hz + VCR RT30A/51

VS7390/11T Color Switcher System
14-inch monitor, NTSC, 4 input switcher with one camera VC7C1305T, 120 VAC, 60 Hz

VS7390/21T Color Switcher System
14-inch monitor, NTSC, 4 input switcher with one camera VC7C2305T, 120 VAC, 60 Hz

VS7390/31T Color Switcher System
14-inch monitor, NTSC, 4 input switcher with one camera VC7C2725T, 120 VAC, 60 Hz

VS7390/41T Color Switcher System
14-inch monitor, NTSC, 4 input switcher with one minidome camera VC7D1305T, 120 VAC, 60 Hz

VS8394/11T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with one camera VC7C1305T, 120 VAC, 60 Hz

VS8394/21T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with one camera VC7C2305T, 120 VAC, 60 Hz

VS8394/31T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with one camera VC7C2725T, 120 VAC, 60 Hz

VS8394/41T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with one camera VC7D1305T, 120 VAC, 60 Hz

VS8394/14T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with four cameras VC7C1305T, 120 VAC, 60 Hz

VS8394/34T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with four cameras VC7C2725T, 120 VAC, 60 Hz

VS8394/44T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with four cameras VC7D1305T, 120 VAC, 60 Hz

VS8394/74D Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with four cameras VC7C1305T, 120 VAC, 60 Hz + Eazeo DVR1B1161

VS8394/94T Color Multiplexer System
14-inch monitor, NTSC, 8 input multiplexer with four cameras VC7C1305T, 120 VAC, 60 Hz + VCR RT30A/61

VS79025T Alarm/Action Box
For detectors and door locks, NTSC

VS79155T Outdoor Video Intercom unit
Signal TP cable, 4-pole RJ11E, 24 VDC, NTSC

VS9409/91T Color Monitor
14-inch add-on monitor for color observation systems, NTSC

RC283511/01 IR Remote Control
For color observation systems, PAL/NTSC

VCM1152/10T Indoor Housing
Protective cover, for observation system cameras, PAL/NTSC & CCIR/EIA

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Ordering Information

Model | Description

VCM1353/00T Outdoor Housing
    For observation system cameras, heater, powered by monitor,
    PAL/NTSC & CCIR/EIA