

# 960H Analog Video Solutions

## Fixed Cameras



### AN micro 1000

COMING SOON



Advantage Line

#### VPC-1055

### DINION 4000

COMING SOON



#### VBC-4075

COMING SOON



#### VBN-4075

### DINION 5000

COMING SOON



#### VBN-5085

Camera Type	Electronic D/N Microbox	Electronic D/N	True D/N	True D/N
Max. Sensor Resolution	720TVL	720TVL	720TVL	720TVL
Image Sensor Type	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD
Day/Night	Electronic D/N	Electronic D/N	True D/N	True D/N
Wide Dynamic Range [WDR]	—	DWDR	DWDR	True WDR
IR Sensitive	—	■	■	■
Video Motion Detection	4 zones	4 zones	4 zones	4 Zones
Privacy Masking	8 zones	8 zones	8 zones	15 Zones
Auto Black	—	—	—	—
Lens	2.5 mm Fixed	c / CS Mount**	C / CS Mount**	C / CS Mount*
Zoom	—	—	—	16x Digital
Min. Illumination [day mode]	0.3 lux	0.1 lux	0.1 lux	0.04 lux
Min. Illumination [night mode]	—	—	0.02 lux	0.02 lux
LED's	—	—	—	—
Night Vision Max. Range	—	—	—	—
Operating Temp.	14° to 122° F (-10° to 50° C)	-4° to 131° F (-20° to 55° C)	-4° to 131° F (-20° to 55° C)	-4° to 131° F (-20° to 55° C)
All-weather Rating	—	—	—	—
Vandal Resistant	—	—	—	—
Alarm Input / Output	■	■	■	■
Audio / Audio Alarm	—	—	—	—
Max. Power Consumption	1.2W	2.4W	3.6W	4.3W
Power Supply	12 VDC	24 VAC / 12 VDC	24 VAC / 12 VDC	24 VAC / 12 VDC

\* Available 960H-optimized lenses: 3-8 mm (LTC 3364/31), 2.8-11 mm (LVF-5000C-D2811), or 5-50 mm (LVF-5000C-D0550)

\*\* Available 960H-optimized lenses: 2.8-12 mm (LVF-2000C-D2812) or 5-50 mm (LVF-2000C-D0550)

#### Legend

- Yes
- No

# 960H Analog Video Solutions

## Indoor Dome Cameras



FLEXIDOME micro 1000      FLEXIDOME indoor 4000

**NEW!**



Advantage Line



Advantage Line



Advantage Line



Advantage Line

**VUC-1055**

**VDC-275**

**VDN-276**

**VDN-295**

**Camera Type**

**D/N Microdome**

**D/N Dome**

**True D/N Dome**

**True D/N WDR Dome**

**Max. Sensor Resolution**

720TVL

720TVL

720TVL

720TVL

**Image Sensor Type**

960H, 1/4" CCD

960H, 1/3" CCD

960H, 1/3" CCD

960H, 1/3" CCD

**Day/Night**

Electronic D/N

Electronic D/N

True D/N

True D/N

**Wide Dynamic Range [WDR]**

DWDR

DWDR

DWDR

True WDR

**IR Sensitive**

—

■

■

■

**Video Motion Detection**

4 zones

4 zones

4 Zones

4 Zones

**Privacy Masking**

8 zones

4 zones

4 Zones

15 Zones

**Auto Black**

—

—

—

—

**Lens**

2.5 mm Fixed

2.8 – 10.5 mm DC Iris

2.8 – 10.5 mm DC Iris

2.8 – 10.5 mm DC Iris

**Zoom**

—

—

—

—

**Min. Illumination [day mode]**

0.43 luz

0.12 lux

0.12 lux

0.15 lux

**Min. Illumination [night mode]**

—

—

0.07 lux

0.05 lux

**LED's**

—

—

—

—

**Night Vision Max. Range**

—

—

—

—

**Operating Temp.**

−4° to 113° F  
(−20° to 45° C)

14° to 122° F  
(−10° to 50° C)

14° to 122° F  
(−10° to 50° C)

14° to 122° F  
(−10° to 50° C)

**All-weather Rating**

—

—

—

—

**Vandal Resistant**

—

—

—

—

**Alarm Input / Output**

—

—

—

—

**Audio / Audio Alarm**

—

—

—

—

**Max. Power Consumption**

1.2W

3.6 W

3.6W

4.8W

**Power Supply**

12 VDC

24 VAC, 12 VDC

24 VAC, 12 VDC

24 VAC, 12 VDC

**Legend**

- Yes
- No

# 960H Analog Video Solutions

Outdoor Dome cameras



## FLEXIDOME outdoor 4000

## FLEXIDOME 5000



	VDC-242	VDN-242	VDN-244	VDI-244	VDN-5085-V3	VDN-5085-V9	VDN-5085-VA
<b>Camera Type</b>	D/N Dome	True D/N Dome	True D/N WDR Dome	True D/N IR WDR Dome	True D/N WDR Dome	True D/N WDR Dome	True D/N WDR Dome
<b>Max. Sensor Resolution</b>	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL
<b>Image Sensor Type</b>	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD
<b>Day/Night</b>	Electronic D/N	True D/N	True D/N	True D/N	True D/N	True D/N	True D/N
<b>Wide Dynamic Range [WDR]</b>	DWDR	DWDR	True WDR	True WDR	True WDR	True WDR	True WDR
<b>IR Sensitive</b>	■ [IR Corrected]	■ [IR Corrected]	■ [IR Corrected]	■ [IR Corrected]	■	■	■
<b>Video Motion Detection</b>	4 Zones	4 zones	4 Zones	4 Zones	4 Zones	4 Zones	4 Zones
<b>Privacy Masking</b>	4 Zones	4 zones	15 Zones	15 Zones	15 Zones	15 Zones	15 Zones
<b>Auto Black</b>	—	—	—	—	—	—	—
<b>Lens</b>	2.8 – 10.5 mm DC Iris	2.8 – 10.5 mm DC Iris	2.8 – 10.5 mm DC Iris	2.8 – 10 mm DC Iris	2.8 – 10.5 mm DC Iris	9 – 22 mm DC Iris	18 – 50 mm DC Iris
<b>Zoom</b>	—	—	—	—	16x Digital	16x Digital	16x Digital
<b>Min. Illumination [day mode]</b>	0.12 lux	0.12 lux	0.15 lux	0.15 lux	0.06 lux	0.08 lux	0.09 lux
<b>Min. Illumination [night mode]</b>	—	0.07 lux	0.05 lux	0 lux [IR on]	0.03 lux	0.04 lux	0.05 lux
<b>LED's</b>	—	—	—	18 @ 850 nm	—	—	—
<b>Night Vision Max. Range</b>	—	—	—	65 ft (20 m)	—	—	—
<b>Operating Temp.</b>	14° to 122° F (-10° to 50° C)	14° to 122° F (-10° to 50° C)	-22° to 122° F *** (-30° to 50° C)	-22° to 122° F *** (-30° to 50° C)	-58° to 131° F *** (-50° to 55° C)	-58° to 131° F *** (-50° to 55° C)	-58° to 131° F *** (-50° to 55° C)
<b>All-weather Rating</b>	IP66	IP66	IP66	IP66	IP66, NEMA 4X	IP66, NEMA 4X	IP66, NEMA 4X
<b>Vandal Resistant</b>	IK08	IK08	IK08	IK08	IK10	IK10	IK10
<b>Alarm Input / Output</b>	—	—	—	—	■	■	■
<b>Audio / Audio Alarm</b>	—	—	—	—	—	—	—
<b>Max. Power Consumption</b>	3.6W	3.6 W	6W / 15.6W***	6W / 15.6W***	4.3W / 8.4W***	4.3W / 8.4W***	4.3W / 8.4W***
<b>Power Supply</b>	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC / 12 VDC	24 VAC / 12 VDC	24 VAC / 12 VDC

\*\*\* With heater





### Legend

- Yes
- No

# 960H Analog Video Solutions

## PTZ and Specialty Cameras



	AUTODOME 4000	AUTODOME 5000	FLEXIDOME corner 5000	AN traffic 4000 IR
		<b>COMING SOON</b> 	<b>COMING SOON</b> 	<b>NEW!</b> 
	<b>VEZ-4x3</b>	<b>VEZ-5x3</b>	<b>VCN-9095</b>	<b>VLR-4075</b>
<b>Camera Type</b>	<b>30x WDR Mini PTZ Dome</b>	<b>36x WDR PTZ Dome</b>	<b>No-grip Corner Mount</b>	<b>IR License Plate Bullet</b>
<b>Max. Sensor Resolution</b>	720TVL	720TVL	720 TVL	720TVL
<b>Image Sensor Type</b>	960H, 1/4" CCD	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/3" CCD
<b>Day/Night</b>	True D/N	True D/N	True D/N	True D/N [black and white]
<b>Wide Dynamic Range [WDR]</b>	True WDR	True WDR	True WDR	—
<b>IR Sensitive</b>	■	■	■	■
<b>Video Motion Detection</b>	■	■	4 Zones	—
<b>Privacy Masking</b>	15 Zones	20 Zones	■	—
<b>Auto Black</b>	—	—	—	—
<b>Max. Capture Speed</b>	—	—	—	75 mph (120 k/mh)
<b>Lens</b>	3.5 – 104 mm	3.4 – 120 mm	2 mm	5 – 50 mm DC Iris
<b>Zoom</b>	26x optical, 10x digital	36x optical, 12x digital	—	—
<b>Min. Illumination [day mode]</b>	0.2 lux	0.1 lux	0.04 lux	—
<b>Min. Illumination [night mode]</b>	0.001 lux	0.01 lux	0 lux [IR on]	0 lux
<b>LED's</b>	—	—	940 nm	10 @ 850 nm
<b>Night Vision Max. Range</b>	—	—	30 ft (9 m)	92 ft (28 m)
<b>Operating Temp.</b>	-40° to 122° F (-40° to 50° C)	-40° to 122° F (-40° to 50° C)	-14° to 122° F (-10° to 50° C)	-22° to 122° F (-30° to 50° C)
<b>All-weather Rating</b>	IP66	IP66	IP65	IP66
<b>Vandal Resistant</b>	IK10	IK10	IK10	IK08
<b>Alarm Input / Output</b>	■	■	■ [1/1]	—
<b>Audio / Audio Alarm</b>	—	—	—	—
<b>Max. Power Consumption</b>	20W, 45W ***	20W, 50W ***	6.48W	7.7W
<b>Power Supply</b>	24 VAC	24 VAC	24 VAC, 12 VDC	24 VAC, 12 VDC

\*\*\* With heater

### Legend

- Yes
- No

# 960H Analog Video Solutions

## Outdoor Bullet Cameras



**BOSCH**

Invented for life

AN bullet 2000

AN bullet 2000 IR

AN bullet 4000

AN bullet 4000 IR



Advantage Line



Advantage Line



VTC-206

VTI-2075-F3

VTN-4075-V3

VTI-4075-V3

VTI-4075-V9

VTI-4085-V5

**Camera Type**

Color Mini Bullet

True D/N IR Bullet

True D/N Bullet

True D/N IR Bullet

True D/N IR Bullet

True D/N WDR IR Bullet

**Max. Sensor Resolution**

720TVL

720TVL

720TVL

720TVL

720TVL

720TVL

**Image Sensor Type**

960H, 1/3" CCD

960H, 1/3"

960H, 1/3"

960H, 1/3"

960H, 1/3"

960H, 1/3"

**Day/Night**

—

True D/N

True D/N

True D/N

True D/N

True D/N

**Wide Dynamic Range [WDR]**

—

—

—

DWDR

DWDR

True WDR

**IR Sensitive**

—

■

■

■

■

■

**Video Motion Detection**

—

4 zones

4 zones

4 zones

4 zones

4 zones

**Privacy Masking**

—

4 zones

4 zones

15 zones

15 zones

15 zones

**Digital Noise Reduction (DNR)**

—

■

■

■

■

■

**Auto Black**

—

—

—

—

—

—

**Lens**

3.6 mm Fixed

3.6 mm Fixed

2.8 – 12 mm DC Iris

2.8 – 12 mm DC Iris

9 – 22 mm DC Iris

5 – 50 mm DC Iris

**Zoom**

—

—

—

—

—

—

**Min. Illumination [day mode]**

0.1 lux

0.5 lux

0.5 lux

0.15 lux

0.15 lux

0.15 lux

**Min. Illumination [night mode]**

—

0 lux

0.02 lux

0 lux

0 lux

0 lux

**LED's**

—

20 @ 850 nm

—

20 @ 850 nm

5 @ 850 nm

10 @ 850 nm

**Night Vision Max. Range**

—

50 ft (15 m)

—

100 ft (30 m)

200 ft (60 m)

330 ft (100 m)

**Operating Temp.**

14° to 122° F  
(-10° to 50° C)

-22° to 122° F  
(-30° to 50° C)

-22° to 122° F  
(-30° to 50° C)

-22° to 122° F  
(-30° to 50° C)

-22° to 122° F  
(-30° to 50° C)

-22° to 122° F  
(-30° to 50° C)

**All-weather Rating**

IP67

IP66

IP66

IP66

IP66

IP66

**Vandal Resistant**

—

IK08

IK08

IK08

IK08

IK08

**Alarm Input / Output**

—

—

—

—

—

—

**Audio / Audio Alarm**

—

—

—

—

—

—

**Max. Power Consumption**

3.6W

5.7W

2.9W

5.7W

5.9W

9.1W

**Power Supply**

12 VDC

12 VDC

24 VAC, 12 VDC

24 VAC, 12 VDC

24 VAC, 12 VDC

24 VAC, 12 VDC

**Legend**

- Yes
- No

# 960H Analog Video Solutions

## Digital Video Recorders



**BOSCH**

Invented for life

**COMING SOON**



Advantage Line

**COMING SOON**



### DIVAR 3000

### DIVAR 5000

		Operating System	Embedded LINUX	Embedded LINUX
		Rack Mountable	–	■
		SDK Available	■ (VSDK v5.x)	■ (VSDK v5.x)
Video	Input	Channels	4, 8 or 16	4, 8 or 16
	Output	Looping Video	–	■
		Connectors	Composite [2], VGA [1], HDMI [1]	Composite [2], VGA [1], HDMI [1]
		Spot Monitor	1	1
Audio	Input / Output Channels		4 [+1 MIC input] / 1	4 [+1 MIC input] / 1
	Synchronous Audio		■	■
	Bi-directional Audio		■ [via web client]	■ [via web client]
	Associate Multiple Cameras to 1 Audio		–	–
Alarms	Inputs / Relay Outputs		16 / 3	16 / 5
	Call up Pre-position on Dome Cameras		■	■
	Increase Frame Rate on Alarm		■	■
	Multiple Camera Linking on Alarm Event		■	■
	Notification via Email		■	■
	Pre-alarm		■ up to 30 Seconds	■ up to 30 Seconds
	Motion Detection		■	■
Recording	Video Compression		H.264	H.264
	Frame Rate (IPS)		120 [4ch], 240 [8ch], 480 [16ch] @ 960H	120 [4ch], 240 [8ch], 480 [16ch] @ 960H
	IPS per Camera		30 IPS @ 960H	30 IPS @ 960H
	Recording Resolution		QCIF / CIF / 2CIF / 4CIF / 960H	QCIF / CIF / 2CIF / 4CIF / 960H
	Individual Camera Adjustment (IPS & Quality)		■	■
	Schedule Recording Modes		Day / Week / >32 Exception days	Day / Week / >32 Exception days
Storage	Internal	HDD	2 [1 when configured with optional DVD writer]	4 [2 when configured with optional DVD writer]
		Expandable	500 - 1000 - 2000 - 3000 GB	500 - 1000 - 2000 - 3000 GB
		On-board RAID	–	–
	Export	External Storage	–	■ [eSATA]
		Supported Devices	Internal DVD writer, USB, BVC, Web Client	Internal DVD writer, USB, BVC, Web Client
		Data Format	Native, AVI	Native, AVI
		Back-up Mode	Manual	Manual
Search	Timeline Search Bar (Color-coded)		■	■
	Search Mode		Date/Time, Channel, Event Type, Motion	Date/Time, Channel, Event Type, Motion
	Smart Motion Search		■	■
Display	Live Resolution		960H Camera: 960x480 [using HDMI monitor] 720H Camera: 704x480	960H Camera: 960x480 [using HDMI monitor] 720H Camera: 704x480
	Screen Division [Multiscreen]		4 Ch.: 1/4; 8 Ch. 1/4/8/9; 16 Ch. 1/4/8/9/16	4 Ch.: 1/4; 8 Ch. 1/4/8/9; 16 Ch. 1/4/8/9/16
Security	User Control	User Levels	3	3
		Camera Lockouts by User	■	■
		Set Viewing Permissions	■	■
		Data Integrity Check (Watermarking, etc.)	■ [in archive player]	■ [in archive player]
Remote Access	Network		10 / 100 / 1000 Ethernet	10 / 100 / 1000 Ethernet
	Web Browser Access		■	■
	Simultaneous Accessible Users		4	4
	Mobile Client Access		■ [iOS, Android]	■ [iOS, Android]
	Admin control		■	■
	PTZ Control		■	■
Other	Export Options		Native, AVI	Native, AVI
	Instant Playback		■	■
	Digital Zoom (Live / Playback)		■ / ■	■ / ■
	PTZ Joystick Control		–	–
	ATM/POS Interface		–	–

**Legend**  
 ■ Yes  
 – No

# 960H Analog Video Solutions

## Flat Panel Monitors



**BOSCH**

Invented for life

### High Definition



Advantage Line



Advantage Line



		UML-193-90	UML-223-90	UML-273-90	UML-323-90	UML-423-90	UML-553-90
<b>Display</b>	<b>Type</b>	<b>19" LED</b>	<b>22" LED</b>	<b>27" LED</b>	<b>32" LED</b>	<b>42" LED</b>	<b>55" LED</b>
	<b>Max Pixel Resolution</b>	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	<b>Horizontal Resolution</b>	650 TVL	650 TVL	650 TVL	650 TVL	650 TVL	650 TVL
	<b>Aspect Ratio</b>	16:9	16:9	16:9	16:9	16:9	16:9
	<b>Brightness (cd/m<sup>2</sup>)</b>	250	250	300	350	500	450
	<b>Contrast Ratio</b>	1000:1	1000:1	3000:1	3000:1	4000:1	4000:1
	<b>Backlight</b>	30,000 hours	30,000 hours	30,000 hours	50,000 hours	50,000 hours	50,000 hours
	<b>Viewing Angle (HxV)</b>	170° x 160°	170° x 160°	178° x 178°	178° x 178°	178° x 178°	178° x 178°
<b>Composite Video / Audio Loop-through</b>		Passive	Passive	Passive	Passive	Passive	Passive
<b>PC Compatible</b>		■	■	■	■	■	■
<b>Connectors</b>	<b>Composite Video (BNC)</b>	–	–	2 [looping video]	1 [looping video]	2 [looping video]	2 [looping video]
	<b>VGA</b>	■	■	■	■	■	■
	<b>DVI-D</b>	■	■	■	■	■	■
	<b>HDMI</b>	■	■	■	■	■	■
<b>Audio</b>	<b>Input</b>	■	■	■	■	■	■
	<b>Speaker</b>	■	■	■	■	■	■
<b>Mechanical</b>	<b>Width</b>	17.62" (448 mm)	20.26" (515 mm)	25.26" (642 mm)	29.34" (745 mm)	38.96" (977 mm)	49.45" (1256 mm)
	<b>Height</b>	13.07" (332 mm)*	14.57" (370 mm)*	14.97" (380 mm)	17.31" (440 mm)	22.44" (570 mm)	28.61" (727 mm)
	<b>Depth</b>	7.16" (182 mm)*	7.16" (182 mm)*	2.98" (76 mm)	3.02" (77 mm)	3.26" (83 mm)	3.26" (83 mm)
	<b>Weight</b>	6.6 lb (3.0 kg)	7.9 lb (3.6 kg)	19.95 lb (9.1 kg)	27.6 lb (12.5 kg)	44.1 lb (20 kg)	70.5 lb (32 kg)
<b>Power</b>	<b>Power Supply</b>	Integrated	Integrated	Included	Integrated	Integrated	Integrated
	<b>Power Consumption</b>	42W	42W	75W	75W	150W	170W
<b>Misc.</b>	<b>Picture-in-picture</b>	–	–	–	–	–	–
	<b>Front Panel Lockout</b>	■	■	■	■	■	■
	<b>IR Remote</b>	–	–	■	■	■	■
<b>Cables Included</b>	<b>VGA-to-VGA</b>	■	■	■	■	■	■
	<b>DVI-to-DVI</b>	■	■	■	■	■	■
<b>Mounting</b>	<b>VESA Compliant</b>	■	■	■	■	■	■
	<b>Rack-mountable</b>	–	–	–	–	–	–
	<b>Table Stand</b>	Included	Included	Included	UMM-LED32-SD	UMM-LED42-SD	UMM-LED42-SD
	<b>Fixed Wall Mount</b>	–	–	–	–	ST660	ST660
	<b>Swivel/Tilt Wall Mount</b>	–	–	UMM-WMT-32	UMM-WMT-32	–	–

\* Includes base

# 960H Analog Video Solutions

## Video Management



### Bosch Video Client (BVC)



Bosch Video Client is included free of charge with all Bosch DIVAR 3000 and 5000 Series Digital Recorders and can be downloaded from the web.

The intuitive, simple-to-use graphical user interface allows you to display up to 20 cameras per attached monitor, and provides simultaneous live and playback viewing of cameras from multiple recorders

- ▶ Pan, tilt, zoom camera control
- ▶ Lens control and digital zoom
- ▶ Full search, playback and export of recorded video
- ▶ Instant replay and trick mode playback
- ▶ Alarm notification
- ▶ Supports dual-monitor configuration
- ▶ Support for IntuiKey Series keyboards

### Mobile App

**COMING  
SOON**



See what your security cameras see, directly on your iOS or Android mobile device, with the free Bosch DVR Viewer.

With a mobile client you can watch video or still images from cameras connected to Bosch video recorders in your home, office or business, from anywhere in the world.

Combined with our state-of-the-art DVR and camera solutions, our apps help you secure people and premises regardless of your location. Get peace of mind, wherever you go.