

## Technical and functional features of the VT product range

TECHNICAL AND FUNCTIONAL FEATURES

	VT200	VT100	VT100- RAM
<b>MODELS</b>			
<b>MODEL AND NUMBER OF VIDEO INPUTS</b>	VT208: 8 cameras	VT104: 4 cameras	VT104-RAM: 4 cameras
<b>COMMUNICATION OPTIONS</b>	-NT: LAN&PSTN, -ND: LAN&ISDN,  GSM is an external option	-T: PSTN -D: ISDN -N: LAN -G: GSM	-T: PSTN -D: ISDN -G: GSM -N: LAN
<b>HDD OPTIONS (THE SIZES PROVIDED HEREIN MAY VARY WITHOUT WARNING)</b>	HDD: Standard 40GB, -XL: 80GB, -XXL: 160GB	HDD: Standard 20GB	-
	<b>VT200</b>	<b>VT100</b>	<b>VT100- RAM</b>
<b>PHYSICAL DATA</b>			
WEIGHT (g)	8,500	2,460	1,850
WIDTH (MM)X HEIGHT (MM)X DEPTH (MM)	420x110x350	260x78x199	260x78x199
	<b>VT200</b>	<b>VT100</b>	<b>VT100- RAM</b>
<b>POWER SUPPLY</b>			
INTERNAL/EXTERNAL	Internal	External adapter provided	External adapter provided
VOLTAGE:	200-240Vac / 100-120Vac.50/60 Hz	12Vdc (external adapter provided)	12Vdc (external adapter provided)
Max. peak	4A / 7A (including external load, i.e. monitor)	2,0A (12V), 30w	1A (12V), 15w
Nominal	100VA	1,2A (12V), 15w	Menor de 1A (12V), 12w
	<b>VT200</b>	<b>VT100</b>	<b>VT100- RAM</b>
<b>VIDEO INPUTS</b>			
CHANNELS	8	4	4
CONNECTORS	BNC	BNC	BNC
ENDING LOAD	75 Ohms, selectable one by one	75Ohms, selectable one by one	75Ohms, selectable one by one
SIGNAL TYPES	B&W (CCIR/EIA) / Color (PAL/NTSC) Synchronized or non-synchronized	B&W (CCIR/EIA) / Color (PAL/NTSC) Synchronized or non-synchronized	B&W (CCIR/EIA) / Color (PAL/NTSC) Synchronized or non-synchronized
SIGNAL LEVEL	0.5-2V pp	1V pp	1V pp
SIGNAL TYPE AUTODETECTION	Yes	Yes	Yes
CAMERAS CAN BE GIVEN A NAME	Yes	Yes	Yes
	<b>VT200</b>	<b>VT100</b>	<b>VT100- RAM</b>
<b>CAPTURE AND COMPRESSION</b>			
RESOLUTION	PAL: 384x288, 4:2:2 NTSC: 352x240, 4:2:2	PAL: 352x280, 4:2:2 NTSC: 352x232, 4:2:2	PAL: 352x280, 4:2:2 NTSC: 352x232, 4:2:2
COMPRESSION	DCT-based algorithm with background suppression. (Similar to MPEG 4)	DCT-based algorithm with background suppression. (Similar to MPEG 4)	DCT-based algorithm with background suppression. (Similar to MPEG 4)
COMPRESSION RATES	2-8KB per frame typical 5KB/frame	2-8KB per frame typical 5KB/frame	2-8KB per frame typical 5KB/frame
PROPRIETARY FILE FORMAT	Yes	Yes	Yes
	<b>VT200</b>	<b>VT100</b>	<b>VT100- RAM</b>
<b>DIGITAL INPUTS</b>			
NUMBER	8	8	8
TYPE	Non-isolated. For dry contacts only	Non-isolated. For dry contacts only	Non-isolated. For dry contacts only
LOCAL DISPLAY OF INPUTS STATUS	No	Yes, 8 LEDs on the rear side	Yes, 8 LEDs on the rear side
INPUTS CAN BE GIVEN A NAME	Yes	Yes	Yes

	VT200	VT100	VT100- RAM
<b>DIGITAL OUTPUTS</b>			
TYPE	Relay	Relay	Relay
NUMBER	8: 4NO/NC + 4NO	4NO/NC	4NO/NC
SWITCH POWER	24V, 1A	24V, 1A	24V, 1A
LOCAL DISPLAY OF OUTPUT STATUS	No	Yes, 4 LEDs on the rear side	Yes, 4 LEDs on the rear side
OUTPUTS CAN BE GIVEN A NAME	Yes	Yes	Yes
	VT200	VT100	VT100- RAM
<b>PAN TILT ZOOM TRANSPARENT CHANNEL</b>			
PAN TILT ZOOM AVAILABLE	Yes	Yes	Yes
TRANSPARENT CHANNEL	Yes	Yes	Yes
PRESETS	Yes	Yes	Yes
	VT200	VT100	VT100- RAM
<b>TRANSMISSION</b>			
PSTN	Internal modem 56Kbps	Internal modem 56Kbps	Internal modem 56Kbps
Typical performance	2ips	1-2ips (depending on recording configuration)	1-2ips
ISDN	Internal modem 64Kbps	Internal modem 64Kbps	Internal modem 64Kbps
Typical performance	2-3ips (depending on recording configuration)	1-3ips (depending on recording configuration)	1-3ips
Support for Multiple Subscriber Number	Yes	Yes	Yes
LAN	Internal 10/100 T Base adapter	Internal 10 T Base adapter	Internal 10 T Base adapter
Typical performance	2-18 ips (depending on recording configuration)	1-3 ips (depending on recording configuration)	1-3 ips (depending on recording configuration)
Max. Bandwidth consumption (average)	640Kbps	56Kbps	56Kbps
Bandwidth limit configuration	Yes (in the receiver)	Yes (in the receiver)	Yes (in the receiver)
GSM	External modem	Internal modem	Internal modem
NULLMODEM	Yes, RS232 port	Yes, RS232 port	Yes, RS232 port
For configuration at site	Yes	Yes	Yes
For viewing at site	Yes	Yes	Yes
REDUNDANT COMMUNICATIONS	Yes, max. 2 (NT, ND)	Yes (nullmodem + PSTN, ISDN, LAN or GSM)	Yes (nullmodem + PSTN, ISDN, LAN or GSM)
MAX. NUMBER OF VIEWERS SIMULTANEOUSLY	1	1	1
ADJUSTABLE QUALITY SETTINGS ON-LINE	Yes	Yes	Yes
SIMULTANEOUS TRANSMISSION AND RECORDING	Yes	Yes	-
SIMULTANEOUS PLAYBACK AND RECORDING	Yes	Yes	Yes
PROGRAMMABLE CAMERA TOUR	Yes	No	No
SUPPORT FOR QUADRANT VIEW	Yes	Yes	Yes
PASSWORD PROTECTION	Viewer / Programmer	Viewer / Programmer	Viewer / Programmer
	VT200	VT100	VT100- RAM
<b>CALENDARS</b>			
PROGRAMMABLE SCHEDULES	Yes	Yes	-
DAYLIGHT SAVINGS (WINTER/SUMMER CHANGE)	Yes	Yes	-
POSSIBILITY OF EXTERNAL INPUT SYNCHRONIZATION	Yes	Yes	-
SUPPORT FOR SPECIAL PERIODS	Yes	Yes	-
SUPPORT FOR SPECIAL DAYS	Yes	Yes	-
CALENDAR DEPTH	1 year	1 year	-

	VT200	VT100	VT100- RAM
<b>EVENTS DEFINITION LOGIC.</b>			
RECORDING ACTIVATION BY LOGIC OPERATIONS	Yes	Yes	Yes
OUTPUTS ACTIVATION BY LOGIC OPERATIONS	Yes	Yes	Yes
CAMERA LOSS DETECTION	Yes	No	No
	VT200	VT100	VT100- RAM
<b>DIGITAL RECORDING ON HDD</b>			
CAMERA DAYS (1CAM X 1IPS)	From 92 days (40GB), to 1 year (160GB)	92 days(40GB)	-
STORAGE RATE (MULTIPLE CAMERAS)	16 images/s (guaranteed) To share between recording cameras	4 images/s (guaranteed) To share between recording cameras	-
INDEPENDENT RECORDING CONDITIONS AND FREQUENCY FOR EACH CAMERA	Yes. Simultaneous recording from different cameras	Yes. Simultaneous recording from different cameras	-
RECORDING ACTIVATION	Event triggered & time lapse	Event triggered & time lapse	-
RECORDING MODE	Continuous (circular)	Continuous (circular)	-
KEY FOR FREEZING STORED IMAGES	No	Yes	-
AUTOMATIC ERASING TOOL FOR EXPIRED IMAGES	Yes. Up to 366 days	Yes. Up to 366 days	-
	VT200	VT100	VT100- RAM
<b>EVENT-TRIGGERED RECORDING</b>			
STORAGE MEDIA	Hard-Disk	Hard-Disk	RAM memory
PRE-ALARM STORAGE	Up to 15 seconds per camera	Up to 10 seconds per camera	Up to 10 seconds per camera
POST-ALARM STORAGE	Up to 15 seconds per camera	Up to 15 seconds per camera	Up to 15 seconds per camera
	VT200	VT100	VT100- RAM
<b>VISUAL ALARM VERIFICATION</b>			
AUTO-DIAL UPON ALARM	Yes	Yes	Yes
BACKUP NUMBER	Yes. 2 <sup>nd</sup> backup number if 1 <sup>st</sup> fails	Yes. 2 <sup>nd</sup> backup number if 1 <sup>st</sup> fails	Yes. 2 <sup>nd</sup> backup number if 1 <sup>st</sup> fails
NUMBER OF CAMERAS CAPABLE OF VAV	All	All	All
WHAT IS SENT?	An alarm and 4 frames	An alarm and 4 frames	An alarm and 4 frames