Convision Technology
Product Portfolio

Convision V700 Series
High speed digital storage

Convision V600 Series
Remote digital video transmission with image recording

Convision V100/V200 Series
Remote digital video transmission with alarm image storage

ConvisionGuard/Safe
Alarm management software

Convision
INTERNET VIDEO SOLUTIONS

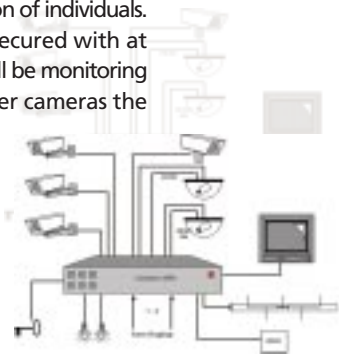|	Convision V600 A Series	Convision V700 Series	Convision V100/V200 Series
Camera inputs	6 FBAS inputs, PAL, NTSC, BNC connectors (female)	6 FBAS inputs, PAL, NTSC, BNC connectors (female)	Convision V100: 1 FBAS input, PAL, NTSC, BNC connector; Convision V200: 2 FBAS inputs, PAL, NTSC, BNC connector; Adapter Cinch to BNC supplied
Interfaces	2 x RS232 (serial), D-Sub9 connectors (female)	1 x RS232 und 1 x RS232/RS485, switchable	RS232 with max. 115 KBit/s, mini-DIN-8 plug, adapter to D-Sub9 supplied
Alarm inputs	6 NC inputs for motion detectors etc., 1 x key-operated switch	6 NC inputs for motion detectors etc., 1 x key-operated switch	2 NC inputs for motion detectors etc.
Alarm outputs	1 x open collector (100mA), 1 x 12V/500mA switching output	2 x relay outputs, neutral	
Video output		1 Loop through	
Hard disk	Convision V610 A : min. 20 GByte; Convision V610 A XL : min. 30 GByte; Convision V610 A XXL: min. 40 GByte	Convision V740: min. 80 GByte; Convision V770: min. 160 GByte	
Transmission	ISDN, LAN 10 Base T, Modem, GSM optional	ISDN, LAN 10/100 Base T, Modem	ISDN, LAN 10/100 Base T, Modem
Audio	Via the second ISDN B-channel, door intercom system, e.g. TLED51-01 by Siedle		
Dome support	e.g. Sony EVI-D30/D31, Sensormatic SpeedDome, Philips G3, AutoDome, Ernitec BDRS10/550, Dennard 2050 (>= V4.0 Build 1883), JVC TK-C675B, Lilin PIH-7000 Series, Panasonic WV-C8850 Series, SAE Dragon, Canon VC-C4/C4R, VCL Microspere Orbiter Gold, Vicon Surveyor 99 and 2000-16/22	e.g. Sony EVI-D30/D31, Sensormatic SpeedDome, Philips G3, AutoDome, Ernitec BDRS10/550, Dennard 2050 (>= V4.0 Build 1883), JVC TK-C675B, Lilin PIH-7000 Series, Panasonic WV-C8850 Series, SAE Dragon, Canon VC-C4/C4R, VCL Microspere Orbiter Gold, Vicon Surveyor 99 and 2000-16/22	e.g. Sony EVI-D30/D31, Sensormatic SpeedDome, Philips G3, AutoDome, Ernitec BDRS10/550, Dennard 2050 (>= V4.0 Build 1883), JVC TK-C675B, Lilin PIH-7000 Series, Panasonic WV-C8850 Series, SAE Dragon, Canon VC-C4/C4R, VCL Microspere Orbiter Gold, Vicon Surveyor 99 and 2000-16/22
Compression	JPEG, up to 25 images/second (PAL), up to 30 images/second (NTSC), approx. 3-50 KB/image	JPEG, up to 25 images/second (PAL), up to 30 images/second (NTSC), approx. 3-50 KB/image	MPEG stream/JPEG, up to 25 images/second (PAL), up to 30 images/second (NTSC), approx. 3-50 KB/image
image size	Resolution of 192x144, 384x288, 768x288 (with Pixelzoom 768x576) pixels	Resolution of 192x144, 384x288, 768x288 (with Pixelzoom 768x576) pixels	Resolution of 176x144, 352x288, 704x576 pixels
Pre / post alarm images	32 images with a resolution of 192x144 pixels or 16 images with a resolution of 384x288 pixels	32 images with a resolution of 192x144 pixels or 16 images with a resolution of 384x288 pixels	32 images with a resolution of 176x144 pixels or 16 images with a resolution of 352x288 pixels
Activity Detection	1 camera	3 cameras	
Recording capacity	2 cameras: 3 images/s; 3 cameras: 2 images/s	3 – 4 images/s with 6 cameras in parallel	
Protocols	TCP/IP, HTTP, FTP, SMTP Client	TCP/IP, HTTP, FTP, SMTP Client	TCP/IP, HTTP, FTP, SMTP Client
Configuration	Completley with web browser via HTML	Completley with web browser via HTML	Completley with web browser via HTML
Internet Browser	e.g. Netscape Navigator 4.x or higher, Microsoft Internet Explorer 5.5 or higher, HTTP 1.0 und HTML 3.2, Java Script 1.2, Java 1.4	e.g. Netscape Navigator 4.x or higher, Microsoft Internet Explorer 5.5 or higher, HTTP 1.0 und HTML 3.2, Java Script 1.2, Java 1.4	e.g. Netscape Navigator 4.x or higher, Microsoft Internet Explorer 5.5 or higher, HTTP 1.0 und HTML 3.2, Java Script 1.2, Java 1.4
Power supply	External 12V 1.5A multi-standard power pack 100-240 V	External 12V 1.5A multi-standard power pack 100-240 V	External 12V/1.5A power pack 100 – 240V (GS, CE, UL, CSA)
Power consumption	Convision V600 A: 6W; Convision V610 A: 10W	Convision V740: 18W; Convision V770: 20W	5 W
Dimensions	Width: 163 mm, height: 80 mm, depth: 185 mm	Width: 440 mm, height: 88 mm, depth: 250 mm	Width: 140 mm, height: 28 mm, depth: 190 mm
Weight	Convision V600 A: 1.295g; Convision V610 A: 1.435g	Convision V740: 5.400g; Convision V770: 5.800g	740 g
Temperature range	0°C to +55°C	0°C to +40°C	0°C to +50°C
Approvals	CE0682, EN 50082, EN 55022	EN 50082, EN 55022	CE0682, EN50081, EN50082, EN50022

Convision
V700 Series

The Convision V700 series is setting new standards in the field of digital recording (DVR) and remote surveillance via LAN and ISDN. Developed with high video performance in mind the Convision V700 series achieves its speed through 6 video decoders. With 6 cameras connected, the Convision V700 series can record 3-4 images per second from each camera simultaneously. With a loop-through video output as well, uninterrupted surveillance with simultaneous recording is guaranteed. In addition, the software configuration permits a time-controlled sequencer to imitate a security guard's rounds. The numerous possibilities for event management through time, movement (activity detect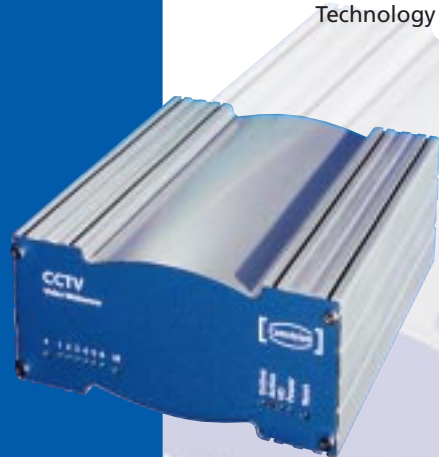ion) and contact control offers maximum flexibility. It is possible to store large amounts of digital images on the integrated hard disks; up to 2 hard disks can be installed giving a range of 40-320 Gbyte. This considerably reduces any risk of overburdening the available network. Also, should there be a potential network failure, any alarm images will continue to be saved locally and will still be available for evaluation later.

These high quality standards are especially required by local transportation companies in reducing vandalism. Also many casinos and gaming arcades are using the high video performance of the Convision V700 series for theft prevention and identification of individuals. Bank branches are generally secured with at least 6 cameras. Four cameras will be monitoring the public area and two further cameras the ATM machines.

Convision
V100/V200 Series

With the Convision V100/V200 product range, it is possible to connect 1 or 2 cameras and then access them simply via LAN and ISDN using a standard Internet browser. The Convision V100/V200 IP video servers transmit very high quality and high resolution images which ensures that no detail is overlooked. These images can then be viewed, depending on requirements and transmission method, using a standard browser from any computer. In the case of an alarm, the Convision V100/V200 stores up to 32 pre and post alarm images which can then be sent as an e-mail attachment. Afterwards, the frame buffer is available for use again immediately.

The Convision V100/V200 offers various compression methods (JPEG, MPEG) in order that the required image quality is always available for every application. For example, when monitoring areas where cash is handled, the image quality needs to be much higher than when viewing an entrance door. During live surveillance, it is possible to view 25 images per second (PAL norm) from the Convision V100/V200 using MPEG. The video resolution is 352x288 pixels, which corresponds to full VHS quality. The Convision V200 can transmit full photo quality images in JPEG video mode with an outstanding resolution of 704x576 pixels. Only with this transmission quality from Convision Technology are high resolution cameras really used to their full advantage.

Convision
V600 A Series

Many standard CCTV video servers only have four camera inputs. As this is not sufficient for extended surveillance applications, Convision Technology has integrated six video inputs in the Convision V600 series. Many years of experience have shown that installers and planners favour a solution with six camera inputs. The V600 series has an optional hard disk which provides perfect digital remote video surveillance via LAN or ISDN. All devices can be operated and configured simply from anywhere in the world via a standard Internet browser. In the case of an event, the Convision V600 series can independently send alarm messages via e-mail or SMS. Furthermore, the Convision V600 series has 6 alarm inputs and 2 alarm outputs integrated. There are various different video servers available in the Convision V600 series, with or without hard disk. The Convision V600A has been designed as a pure video transmission device for LAN and ISDN with an alarm frame buffer for a maximum of 32 pre and post alarm images. The Convision V610A series has an integrated 2.5" hard disk (20-40 GByte – also suitable for mobile applications) for local image storage, which reduces the strain on the network (as with the Convision V700 series).

To reduce the amount of image data, activity detection has been integrated in the V700 and V600 series. When the activity detection function has been activated, the device will only record images once movement occurs. It is then possible to identify individuals much quicker due to the reduced amount of stored images. Various settings permit the optimal configuration for the specific application. Convision has, however, gone one step further with the V600 series as it is not conventional PC technology being relied upon but industrial technology and a real time operating system. A technology which has even proved itself in demanding mobile applications.

Convision
Guard/Safe

ConvisionGuard is an alarm management software, which has been developed for the professional integration of multiple Convision IP video servers. The browser concept begins to reach its limits when it is necessary to centrally manage multiple IP video servers in a network without having to switch browsers, close windows, etc. The software is organised into various functional blocks. Incoming alarm messages from different video servers can be displayed and processed. In the monitoring section, it is possible to view up to 16 cameras simultaneously. Monitoring layouts can be changed and configured to give different display options. PTZ/dome cameras can also be controlled directly and cameras individually selected for monitoring. An integrated image editor, user/administration security settings and a detailed log system ensure that ConvisionGuard meets the demands made on a professional alarm management system. However, the most important function of ConvisionGuard is the management and annotation of the incoming alarms themselves. ConvisionGuard central station software receives alarm messages from IP video servers installed in the LAN. As management software, ConvisionGuard receives, manages and archives alarm messages. Furthermore, ConvisionGuard also offers functions found in central surveillance software such as recording and snapshots. Despite the diversity of functions with regards to monitoring, ConvisionGuard distinguishes itself from other products in that it fundamentally remains a real alarm management software.

ConvisionSafe is a software for accessing, evaluating and saving images stored on any Convision IP video server with an integrated hard disk. The stored video images can be evaluated and saved directly via LAN or ISDN. The chosen recordings can then be stored on the local hard disk or recorded onto a CD along with a player to be used as evidence.