



Total audio and
video security
solutions...

resources

2006-2007 Product Catalog

CCTV Selection Guide

CCTV Training Textbook

Security A&E
Specification Guide

CCTV Viewer
Simulation Software

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SECURITY

CCTV Security

closed circuit & network integrated



C-CV854D-3 new! vandal-proof mini-dome

- Diecast aluminum alloy and polycarbonate resin dome cover
- Indoor and Outdoor (IP66)
- Day/Night mode
- Varifocal lens in three axis
- Auto-iris
- 1/3 in. CCD, 500 TVL
- Backlight compensation
- Monitor output
- 24 VAC or 12 VDC
- Optional heater unit, model C-A854H

compact color cameras

C-CV24-2 mini-dome

- Indoor color dome camera
- 2.0 to 4.0mm Varifocal
- Wide camera lens angle setting
- Auto-iris
- 1/4 in. CCD, 480 TVL
- Backlight compensation
- 24 VAC or 12 VDC



C-CV202-3 C-CV202-F3 economy mini-dome

- Indoor color dome camera
- C-CV202-3: 2x vari-focal auto-iris lens
- C-CV202-F3: built-in fixed-focus, fixed-iris lens
- 1/4 in. CCD, 480 TVL
- Monitor Output
- 12 VDC

C-CC364 wide dynamic range camera

- Wide Dynamic Range and Day/Night functions
- 1/3 in. CCD, 500 TVL
- Alarm input
- 24 VAC or 12 VDC
- Req. CS-compatible lens
- Optional C-RU10 Remote Controller



Q-CV24VP-4 vandal-proof mini-dome

- High impact polycarbonate resin dome cover
- Indoor and Outdoor (IP65)
- Q-CV24VP-4: 4 to 9mm varifocal
- Auto-iris
- 1/4 in. CCD, 480 TVL
- Backlight compensation
- 24 VAC or 12 VDC

C-CV14-2 integrated

- Indoor color camera
- 2.0 to 4.0mm Varifocal
- Auto-iris
- 1/4 in. CCD, 480 TVL
- Backlight compensation
- 24 VAC or 12 VDC



C-CV44-3 integrated

- Outdoor color camera
- 3.0 to 6.0mm Varifocal
- Auto-iris
- 1/4 in. CCD, 480 TVL
- Backlight compensation
- 24 VAC or 12 VDC

C-CV14-CS compact

- Indoor color camera
- Requires CS-compatible lens
- Auto-iris
- 1/4 in. CCD, 480 TVL
- Backlight compensation
- 24 VAC or 12 VDC



C-CV102-CS economy CS-mount

- Indoor color camera
- Requires CS-compatible lens
- 1/4 in. CCD, 480 TVL
- Backlight compensation
- 12 VDC

LCD & CRT monitors

FLAT PANEL TFT LCD

- IK-H550V - 15" monitor
- IK-H750V - 17" monitor
- IK-H950V - 19" monitor

CRT SECURITY MONITORS

- VCM-901 - 9" monitor
- VCM-14H - 14" monitor
- VCM-1501 - 15" monitor
- VCM-2101 - 21" monitor



A global security solutions leader for over 20 years, TOA has developed cutting edge technologies: IP network-ready cameras, DVRs and intercom systems – plus breakthrough **Wide Dynamic Range cameras** for clear, crisp images in adverse lighting conditions. Our line of products also includes: **high-speed dome and compact cameras, multiplexers, monitors and much more.**

PTZ combination dome cameras



Indoor PTZ Combination Dome

C-CC574 new!*

- Electronic Image Stabilization (anti-shake)
- High Speed Pan/Tilt: 360°/sec.
- Pan rotation range: cont. 360°
- Tilt rotation range: +5° to -185° (w/ Auto-Flip)
- 255 Preset Positions
- Wide Dynamic Range and Day/Night functions
- 1/4-inch CCD Imager
- 540 TVL Resolution
- 35x Optical Zoom
- Auto-focus
- Eight alarm inputs
- Privacy masking function (up to 8, 4 each frame)
- Motion detection function
- RS-485 protocol compatible with Bosch, Panasonic and Pelco "D" Protocols

C-CC564

- High Speed Pan/Tilt: 360°/sec.
- Pan rotation range: cont. 360°
- Tilt rotation range: +5° to -185° (w/ Auto-Flip)
- 255 Preset Positions
- Wide Dynamic Range and Day/Night functions
- 1/4-inch CCD Imager
- 480 TVL Resolution
- 23x Optical Zoom
- Auto-focus
- Eight alarm inputs
- Privacy masking function (up to 8, 2 each frame)
- Motion detection function
- RS-485 protocol compatible with Bosch, Panasonic and Pelco "D" Protocols

C-CC514

- High Speed Pan/Tilt: 360°/sec.
- Pan rotation range: cont. 360°
- Tilt rotation range: +5° to -90°
- 255 Preset Positions
- 1/4-inch CCD Imager
- 480 TVL Resolution
- 22x Optical Zoom
- Auto-focus
- Three alarm inputs
- RS-485 protocol compatible with Bosch, Panasonic and Pelco "D" Protocols

* Available Q1-2007



Outdoor PTZ Combination Dome

C-CC774 new!*

- Electronic Image Stabilization (anti-shake)
- Built-in heater and fan (IP66 rating)
- High Speed Pan/Tilt: 360°/sec.
- Pan rotation range: cont. 360°
- Tilt rotation range: +5° to -185° (w/ Auto-Flip)
- 255 Preset Positions
- Wide Dynamic Range and Day/Night functions
- 1/4-inch CCD Imager
- 540 TVL Resolution
- 35x Optical Zoom
- Auto-focus
- Eight alarm inputs
- Privacy masking function (up to 8, 4 each frame)
- Motion detection function
- RS-485 protocol compatible with Bosch, Panasonic and Pelco "D" Protocols

C-CC764

- Built-in heater and fan (IP66 rating)
- High Speed Pan/Tilt: 360°/sec.
- Pan rotation range: cont. 360°
- Tilt rotation range: +5° to -185° (w/ Auto-Flip)
- 255 Preset Positions
- Wide Dynamic Range and Day/Night functions
- 1/4-inch CCD Imager
- 480 TVL Resolution
- 23x Optical Zoom
- Auto-focus
- Eight alarm inputs
- Privacy masking function
- Motion detection function
- RS-485 protocol compatible with Bosch, Panasonic and Pelco "D" Protocols

C-CC714

- Built-in heater and fan (IP66 rating)
- High Speed Pan/Tilt: 360°/sec.
- Pan rotation range: cont. 360°
- Tilt rotation range: +5° to -90°
- 255 Preset Positions
- 1/4-inch CCD Imager
- 480 TVL Resolution
- 22x Optical Zoom
- Auto-focus
- Three alarm inputs
- RS-485 protocol compatible with Bosch, Panasonic and Pelco "D" Protocols

* Available Q1-2007

digital video recorders

features

- Sixteen models to choose!
- Integrated multiplexer supports 9 or 16 cameras
- 80, 160, 320, 600GB versions (expandable with optional Disk Arrays)
- Optional DVD Recorder
- 720 x 240 Resolution and 120fps Recording Rate
- Audio Input and Output (1 ch.)
- USB Interface for mobile recording media
- Large System Capacity – cascade up to 8 DVR's for 128 camera inputs and 36.8 Terrabyte data storage
- Network Interface (100BaseT)
- Remote Surveillance using standard web browser
- E-mail Notification
- Double Keylock Protection (Password, Password+USB)
- Network Time Protocol (NTP) ensures accurate time-stamp
- Alarm, Motion Detection and Mirror recording
- Falsification Detection prevents image tampering
- Optional Remote Camera Controller, model C-RM1000



C-DR091/061 Series digital video recorders

C-DA1000-1 C-DA1000-2 Disk Arrays

- Connect up to two Disk Array units per DVR
- Mirroring function ensures fail-safe recording



C-RM1000

remote controller for DVRs and combination dome cameras

- Controls up to 8 DVRs and 128 Cameras
- Connect up to 4 Remote Controllers (w/optional C-RF1000 Interface Unit)

C-RF1000

remote controller interface

- Allows connection of up to four C-RM1000 Remote Controllers



netcansee network video solutions

features

- High quality reliable solution for routing both video and audio over data networks
- Simultaneous transmission of MPEG-4 and JPEG for smooth video monitoring and high resolution recording
- Adjustable image size, frame rate and bit rate
- High quality, bi-directional audio
- Power-over-Ethernet (PoE) compatible
- Viewer software included with all models
- Network fault tolerance ensures reliable operation
- Password protection prevents unauthorized access



N-VT2010
network video transmitter

- Transports composite video, audio, RS-232, RS-485 and contact closures over IP networks
- Video Input (N-VT2010) and Video Output (N-VR2010)
- Mic/Line Audio Input and Line Output
- RS-232 and RS-485 allows remote control of DVRs and Combination Dome Cameras
- Two Control Inputs and Outputs
- Ethernet Port (10BASE-T/100BASE-TX)
- Power-over-Ethernet (PoE) Compatible (also 24 VAC, 24 VDC)
- 12 VDC Power Supply for CV Cameras or other devices



N-VR2010
network video receiver



N-CC2360
network camera (available 2007)

- Wide Dynamic Range and Day/Night functions
- High Sensitivity: 0.5 Lux (Color Mode)/0.01 Lux (B/W Mode)
- 1/3-Inch CCD Imager
- 500 TV Lines Resolution
- CS lens compatible (available separately)
- Built-in Microphone and Audio Line Output
- Video Monitor Output
- Two Alarm Inputs & Outputs
- Motion Detection
- Privacy Mask
- Power-over-Ethernet (PoE) compatible (also 24 VAC or 24 VDC)
- Single-Screen Viewer Software (included)



N-CC2564
network combination PTZ dome camera (available 2007)

- High Speed Pan/Tilt: 360°/Second
- 255 Preset Positions
- 1/4-Inch CCD Imager
- 480 TV Lines of Resolution
- Zoom: 23x Optical, 12x Electronic
- Wide Dynamic Range and Day/Night functions
- Audio Line Input and Output
- Remote Control with Single-Screen Viewer Software (included)
- Ethernet Port and Composite Video Output
- Eight Alarm Inputs
- Motion Detection
- Privacy Mask: 8 zones
- Power Supply: 24 VAC



N-DR2000
network video recorder (600GB) (available 2007)

- Records video and audio of network cameras & network video transmitter
- Store MPEG-4 and JPEG images plus Audio; 240fps (JPEG, VGA)
- Supports up to 16 channels
- Simultaneous record and playback
- Web browser access
- Auto Configuration (DHCP and FTP)
- Network Time Protocol (NTP) ensures accurate time-stamp
- E-mail function with JPEG Picture (SMTP)
- Alarm notification from Network Camera and Video Transmitters
- Simultaneous Record, Search and Playback on included Viewer Software

C-AP105
coaxial transmitter/receiver

- Transmit video, audio and control signals on one coaxial cable



C-VD6
distributor

- Distribute one video input signal to six video outputs or two video signals to three outputs



N-8000 Series
IP network intercom

The N-8000 IP Network Intercom offers scalable communications over data networks, with *configurations of up to 1,280 stations*, and a maximum bandwidth of 130 kilobits per second on a station to station call. Building on TOA's successful NX-100 network audio technology, the **N-8000 Systems** are ideal for secure communications in corporate, educational and medical applications.

- Scalable network communications for up to 1280 stations over data networks (LAN/WAN)
- Flexible configuration options for existing cabling and network infrastructure
- Station Options:
 - IP Stations with Ethernet port connect directly to the network (up to 80 stations)
 - Connect up to sixteen two-wire stations to compact Network Exchange (up to 80 exchanges for up to 1,280 stations)
- Occupies minimal network bandwidth — 130 kbps max. (station to station call)
- Hands-free full-duplex conversation
- Control and monitor through software and web browser
- Versatile features including 160 zone paging, time-based call forwarding and scan monitoring

New IP Stations Connect Directly to the Network!

- N-8500MS** IP Network Master Station with LCD Display
 - Connects directly to LAN/WAN
 - 32 character alphanumeric LCD display, handset and speed dial functions
 - Power-over-Ethernet (POE) compatible
- N-8540DS** IP Network Door Station and **Q-N8540WP** Outdoor IP Substation
 - Connects directly to LAN/WAN
 - Vandal-resistant call-switch
 - Control output for door release
 - Power-over-Ethernet (POE) compatible

*Two-Wire Station Options**

- N-8000MS** Multifunction Master Station with LCD Display
- N-8010MS** Standard Master Station
- N-8011MS** Hands-free Master Station
- N-8020MS** Industrial Master Station
- N-8030MS** Flush-Mount Hands-free Master Station
- N-8040DS** Flush-Mount Vandal-Resistant Door Station
- Q-N8050WP** Outdoor Substation

*Connect to N-8000EX or N-8010EX IP Network Exchanges.
See N-8000 Specifications for a complete listing of products and accessories.

System Components

- N-8000EX** IP Network Exchange (16-Station, four speech links)
- N-8010EX** IP Network Exchange (16-Station, one speech link)
- N-8000MI** Multi-Interface (telephone, BGM, paging, control I/O, legacy EXES)
- Q-TI-600** Tie-line Interface for EXES-6000 to N-8000



VS-900
security intercom

Ideal for applications with multiple "sub" stations calling to one or more "master" stations, the **VS-900** has a wide range of standard and programmable features. Comprehensive call-forwarding allows users freedom of movement and ensures that no call goes unanswered. The **VS-900 integrates easily with access control and video surveillance equipment.**

- For critical applications such as corporate, correctional, educational, government, military, parking structures, police, and more
- "Sub-to-Master" and "Master-to-Master" station communication
- User-friendly installation, setup and maintenance
- Modular design, scalable for cost-effective system configurations
- Flexible programming and control software for setup and maintenance of multiple exchanges from one PC, remotely via modem or via network
- Security system integration - communication protocol available for remote control and monitoring of intercom system functions from external devices
- Comprehensive call-forwarding features: Time-based, No-Answer, Busy and C/O line to prevent unanswered calls and allow attendant mobility
- Recording Outputs, Event Logging, and more

STATION CAPACITY

- Single Exchange: 4 Master Stations and 64 Sub-Stations
- Up to 16 Tie-lined Exchanges: 64 Master stations and 1,024 Sub-stations