

CareStation[®] 140



Next Generation Broadband Video Telehealth System

- CareStation 140 reduces the cost of care and enhances patient wellbeing by providing a new level of interactive home telecare. CareStation 140 is a powerful and feature rich system with a small foot print ready for home or clinical environments.

SUPERIOR VIDEO AND AUDIO OVER BROADBAND

- CareStation 140 supports a high quality external PTZ camera over a single cable, enabling superior video and audio quality over typical broadband connections. Equipped with powerful processors, the unit has an internal acoustic echo canceller that provides high quality simultaneous two-way audio without echo. Agile and flexible, the CareStation supports a wide range of standards and protocols including SCOTTY's Packet Buddy™ protocol for Non-QOS networks, enabling quick installation and excellent quality without expensive network provisioning.

EASY FOR THE PATIENT

- The simplicity of the CareStation 140 makes telehealth convenient for your patients. It is easy to set up and easy to use. One touch on the remote control or on the call button on the included table-top microphone starts the video call to the care provider. When the care provider calls the client, a bright visual ring indicator makes the incoming call visible for deaf or hard of hearing users. If necessary, CareStation 140 switches the TV over to the correct input using the optional SCART interface.

VITAL INFORMATION FOR THE CARE PROVIDER

- The CareStation 140 is able to display important status messages on the patient's screen. These provide clear instructions for the patient when in a queue or placed temporarily on hold. JPEG snapshots from the patient camera can be captured at rapid intervals. A range of low-cost medical monitoring devices allow remote measurement of vital signs. The unit also provides a unique integrated digital stethoscope capability.

SHARING SAVES COSTS

- With the simple three button infrared remote control, up to three persons can share one CareStation 140 at the patient site, reducing the overall cost of providing in-home monitoring. Each person is easily identified as the CareStation 140 can be configured for three separate user identities. Each user simply presses their corresponding colored button on the remote control to dial the provider number where they are automatically identified.

NETWORK INTERFACE

2 10/100 ETHERNET

IN & OUT

EXTERNAL CAMERA
CONTROL PORT
MICROPHONE/HEADSET PORT
COMPOSITE AUDIO/VIDEO IN
COMPOSITE AUDIO/VIDEO OUT
STETHOSCOPE PORT
STETHOPHONE PORT
SCART INTERFACE OPTION
3 RS-232 DATA PORTS
INFRARED REMOTE CONTROL

FEATURES

SUPPORTS UP TO
THREE USERS
MEDICAL PERIPHERAL
SUPPORT
DIGITAL STETHOSCOPE
OPTION
ONE TOUCH DIALING
VISUAL RING INDICATOR
REMOTE PTZ CAMERA
CONTROL
WEB MANAGEMENT
PIN AUTHENTICATION
DATA ENCRYPTION
CARESTATION.NET COMPATIBLE*
STATIX™ COMPATIBLE**

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is TELEHEALTH

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CareStation® 140

COMMUNICATION PROTOCOLS SUPPORTED

- Protocols: H.323, SIP and Packet Buddy™ (for transmission over non-QoS networks)
- Video: H.263, H.261
- Audio: G.723, G.711, G.722, G.728
- Capability/Control Protocol: H.245, SDP
- CareStation.Net*/StatiX™ compatible**

SYSTEM PERFORMANCE

- CIF video format: 352 x 288 pixels
- QCIF video format: 176 x 144 pixels
- CIF15 fps, QCIF 30 fps over IP

MICROPHONE/HEADSET CONNECTOR

- One touch push button dial capability with optional tabletop boundary mic
- 3.5 mm (1/8") mono jack
- 0.1 Vpp input
- 30 Ohm or greater output

AV INPUTS

- Video input: RCA jack
- Format: NTSC/PAL Composite 1 Vpp
- Peripheral camera port Mini-DIN 8
- Line level input: RCA jack

AV OUTPUTS

- Video output: RCA jack
- Format: NTSC/PAL Composite 1 Vpp
- Audio output: RCA jack
- Line level output: RCA jack (-10 dBm typical)

TELEVISION INTERFACE

- SCART Compatible
- SCOTTY SCART cable optional
- Auto TV Control
- Audio/Video output

DATA PORTS

- 3 RS-232 Data Ports
- Connectors: 1 DB9F, 2 Mini-DIN 8
- For use with external PTZ cameras, peripherals, and PCs
- Data rates supported from 1.2 – 115.2 kbps

NETWORK COMMUNICATION INTERFACE

- 10/100 Ethernet Interface

- 2 RJ-45 jack connectors
- IP addressing: Static, DHCP, or PPPoE
- Configurable UDP port address range for compatibility with existing firewall policies and IP address sharing.
- Throughput: 32 to 384 kbps
- Adaptive bandwidth utilization

INTEGRATED DIGITAL STETHOSCOPE

- Chest piece: Part# SD202599A
- Interface: Mini-DIN 8 (Data Port 3)
- Cable length: 122 cm (48")
- Ear piece: Part# SD202598A
- Interface: 3.5 mm (1/8") stereo jack
- Cable length: 122 cm (48")
- Frequency Range: 20 Hz – 1000 Hz
- Sample Rates: 2000 Hz, 3200 Hz
- Live preview, store and forward operating modes

STANDARD SOFTWARE FEATURES

- 50 entry phone book & integrated speed dial function
- Bright visual ring indicator
- Full-duplex acoustic echo canceller
- Remote source and camera controls
- Control drivers for Sony and Canon PTZ cameras
- Digital Pan/Tilt/Zoom for non-PTZ cameras
- Image quality controls: resolution, motion and detail
- Web and TELNET remote management
- Picture-in-Picture (PiP) display (movable, sizable)
- Image snapshot and privacy modes
- Secure PIN access to accept incoming calls
- On-screen diagnostics and call reporting
- Synchronize phonebook from master phonebook
- Flash memory for remote software upgrades

POWER

- DC Input: 10-18 V DC
- Consumption: <18 W active, <5 W standby
- AC adaptor: Universal 100-240 V AC, 47-63 Hz
- UL, CSA, CE listed

TECHNICAL SPECIFICATIONS

INTEROPERABILITY

- Supports H.323 videoconferencing equipment, MCUs, gateways, gatekeepers, VoIP, SIP phones, telephony services, and proxies.

PHYSICAL/ENVIRONMENTAL

- Dimensions (HxWxD): 156.2 x 60.3 x 204.6 mm (6.15 x 2.37 x 8.06")
- Weight: 1.5 kg (3.3 lbs)
- Operating temperature: 0° to 40°C ambient
- Operating humidity: 5 % to 95 % relative humidity, non-condensing
- Storage temperature: 0° to 70°C ambient
- Storage humidity: 5 % to 95 % relative humidity, non-condensing

MEDICAL DEVICES SUPPORTED

- Therasense™ Freestyle™ blood glucose monitor
- CritiCare™ 506DXN2 vital signs monitor
- Koko Peak™ peak flow meter
- A&D Medical UA-767PC blood pressure monitor
- A&D Medical UC-321P weight scale
- Nonin® ipod™ & Xpod™ pulse oximeter
- Analogic FETALGARD Lite™ fetal monitor

APPROVALS

- CE Mark Europe
- FCC Part 15B
- UL/cUL
- For other countries contact your supplier.
- FDA 510K Clearance

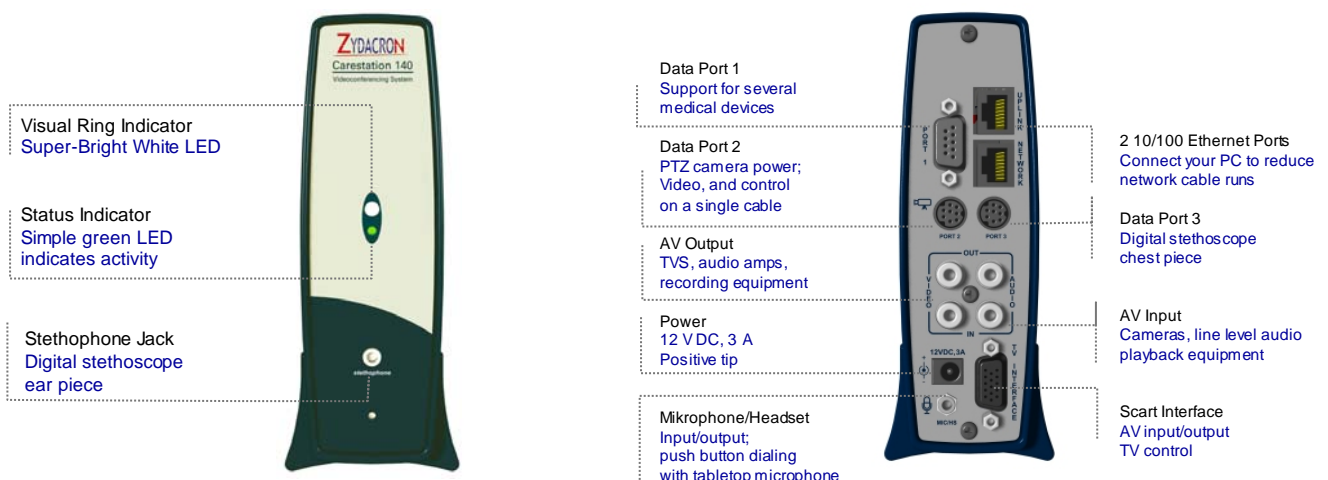
CareStation.Net is SCOTTY's unique virtual platform exclusively for telehealth applications. CareStation 140 is designed to be a powerful part of CareStation.Net.

CARESTATION.NET FEATURES

- Up to three user identities configurable
- Easy three button infrared remote control
- One-button dialing to the care provider
- Automated user identification
- Onscreen StatiX server messaging
- JPEG image capture and forwarding

** StatiX™ IP address location service is optional – and affordable.

Contact your authorized reseller or ZYDACRON representative to learn more. Specifications subject to change without notice. CareStation® is a registered trademark



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