



DeryTech (DIP-C 185) High Resolution Network Dome

Add an all-in-one Network Dome Camera and management system to your indoor/outdoor security set-up

Features

- 1/4" SONY CCD high resolution DSP color network dome
- 300X zoom: 25X optic zoom; 12X digital zoom
- Day/Night auto switching
- Minimum illumination of 0.08 lux provides excellent low light video
- Water proof (IP66 standard) enclosure for all outdoor environments
- Multi-cast function for unlimited user access in private Lan environment
- Flickerless function and image stabilizer for enhanced picture quality
- AV sync and Two-way audio
- MPEG4 ASP compression provides up to D1 resolution for real-time video
- 480 TV Lines resolution
- QoS software provides uninterrupted real-time preview and record
- Fast and precise PTZ function
- Built-in SD memory card slot to record upon event or as backup storage
- Privacy Zone Masking of up to 300 zones
- Smart Guard System to detect unusual events and connect to DI/DO devices
- Low power consumption for stability and reliability

NOTE: A heavy duty vandal proof enclosure offering 1000kg SKU will be available from December 2006



The DeryTech DIP-C 185 is a high performance, cost effective, IP Network dome camera designed for surveillance and remote monitoring in all situations and environments. Combining the latest color camera hardware with the most up-to-date image enhancing digital technology, AES encryption and a sophisticated management system, the DIP-C 185 offers the very best in image quality, security and flexibility.

Built around a 1/4" SONY HQ1 CCD high resolution DSP color Network Camera, the DIP-C 185 utilizes MPEG4 ASP compression to provide D1 resolution for real-time video and 480 TV lines. With a built-in 300X zoom (25X optical zoom and 12X digital zoom), a fast and precise PTZ mechanism and image enhancing features such as image stabilizer, auto OLPF and flickerless function, the DIP-C 185 is able to provide clear and stable full-motion video of any subject matter over large potential target areas.

The camera is fitted inside an IP66 standard waterproof enclosure, allowing the DIP-C 185 to be sighted in almost any outdoor location. With day/night auto switching and a minimum night-time illumination requirement of just 0.08 lux, the DIP-C 185 provides excellent video in all but the blackest conditions, whilst its advanced system design provides the DIP-C 185 with ultra-low power consumption of just 5W, adding to its general stability and reliability.

In addition, the DIP-C 185 also boasts enhanced data security via AES key encryption as well as a built-in SD memory card slot for an added recording option on event or as backup storage on network failure. When connected to the internet, uni-cast transmission allows up to 10 people to simultaneously view the live video feed, whilst on private local networks, multi-cast transmission offers unlimited user access to the camera, all subject to access management provided by multiple access levels and IP address filtering.

The DIP-C 185 also comes with its own proprietary multi-function management software, the **DeryTech Surveillance Management System**, which provides easy system set-up, intelligent control and versatile operation. Features include a highly efficient data stream that allows up to 64 IP cameras to be remotely managed and recorded simultaneously and a recording scheduler and playback system that provide flexible configuration of the recording schedule and easy playback based on system, event or counter logs. Furthermore, the Smart Guard system integrates the smart detection of motion, missing objects, lost signal etc. with alarm systems and other DI/DO devices.

All-in-all, the DIP-C 185 offers a complete Network based surveillance camera and

management system that provides the highest quality video with built-in security and other practical features, and delivers the most cost effective IP camera solution for security system integrators and users.

Specification

Image system	
Image frame rate	30fps at 720 x 480 resolution NTSC; 25fps at 720 x 576 resolution PAL;
Compression	MPEG4 ASP Hardware Compression
Max. resolution	Full D1
Effective pixels (HxV)	768 x 494 (NTSC) 752 x 582 (PAL)
Imaging area	3.7mm x 2.7mm
Image pickup device	1/4" type SONY Super HAD CCD
Electric	
Scanning system	2:1 Interlace V: 59.94Hz 2:1 Interlace V: 50Hz, H: 15.734KHz H: 15.625KHz
Sync system	Internal / linelock
Horizontal resolution	480 TV lines
Built-in lens	25X optical zoom, f=2.4~60mm, F1.6~2.7 (plus 12X digital zoom, providing a total of 300X zoom)
View angle (DxHxV)	W=97.9o(D), 76.1o(H), 55.8o(V) T= 29.7o(D), 23.8o(H), 17.9o(V)
Gamma correction	0.45
Minimum illumination	Normal mode: 3 lux Slow shutter mode: 0.2 lux Night mode: 0.08 lux
S/N ratio	More than 50dB (AGC off)
Gain control	Auto
White balance	Auto/ATW/one push WB
Electric shutter	Auto 1/60 (1/50) to 1/100,000 sec Manual 20 steps 1/4 (1/3) to 1/10000 sec
BLC	On / Off

Video output	1Vpp composite output, 75 ohm
Network	
Ethernet	1 x 10/100 base-T Ethernet connection for LAN/WAN
Supported Protocols	TCP/IP, HTTP, ARP, PPPOE, DDNS, DHCP, RTP/RTSP
Simultaneous access	Multicast (unlimited), Unicast (10 users)
I/O connector	
Network port	1 x RJ45
Analog video output	1 x BNC connector (NTSC/PAL)
Serial connector	RS485
Backup storage	SD card slot
DI/DO	Multi-camera DI/DO integration; DI triggered recording and e-mail messaging
Power supply	
Power consumption	5 W (max.)
Environment	
Operating temperature	-10 °C ~ 50 °C
Operating humidity	30% ~ 90% RH
Storage temperature	-20 °C ~ 60 °C
Mechanism	
Dimensions (OxH)	134mm x 233.7mm
Weight	2000g approx.
Water-proof	IP66



Ceiling mount



Corner mount

DeryTech Surveillance Management System

The DeryTech Surveillance Management System is a proprietary system specifically designed to work with DeryTech network cameras. It provides easy system set-up, intelligent control and versatile operation, and being a network based system, it is capable of running multiple cameras via a single Ethernet cable, allowing for efficient coverage of large target areas and offering scalability and flexibility.

Major Features

- Supports up to 64 IP cameras
- Supplies up to D1 recording resolution
- Synchronized video and audio
- Motion detection recording
- Integrated PTZ control
- Connects to DI/DO devices
- Full screen display
- Dual monitor function for viewing live video and playback simultaneously
- System, event and counting logs for quick search and playback
- Back-up to hard disk, DVD, CD and network storage
- Easy management of all DIP-C 185 network dome functions



Main System

- Easily configured recording scheduler
- Adjustable recording quality and frame rate for each camera
- Smart detector for motion, object counting, missing object, signal loss, focus loss and camera occlusion
- Smart Guard system integrates smart detector with alarm systems and other DI/DO devices

- Digital Output (DO) alarm to E-mail and telephone
- System lock protection

Playback system

- Simultaneous playback of up to 16 channels
- Easy date and time selection for convenient playback
- Smart Search functions for motion, missing objects, foreign objects and other events
- Exports video to avi files
- Saves and prints recorded images and video clips
- Real-time video enhancement tools for improved image quality

Remote Live View

- Connects to multiple servers
- Built-in web server
- Remote PTZ Control
- User access control
- Remote playback

	DIP-C185 (Network dome)	DIP-C187 (Vandal dome)
Resolution	480 TV Lines	540 TV Lines
CCD	1/4" SONY CCD	1/3" SONY HQ1 CCD
SD slot	Yes	Yes
POE	No	Yes
WLAN dongle	No	Yes
PTZ control	Yes	No
Lens	300X zoom: 25X optical zoom & 12X digital zoom	Vari-focal, 3X optical zoom
Vandal proof	No (new vandal SKU will be available from December 2006)	1000kg