

DVR EXPRESS® CORE

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Portable DVR with Removable Solid State Storage

Record, Synchronize, Playback and Export

Product Highlights

- Fully uncompressed recording directly to solid state storage
- Removable drive shuttle with 2TB of storage capacity
- Rugged aluminum enclosure
- Low power (<35W with drives) and light weight (1.4kg)
- Export to standard file formats
- Includes interactive software; optional SDK for programmatic control



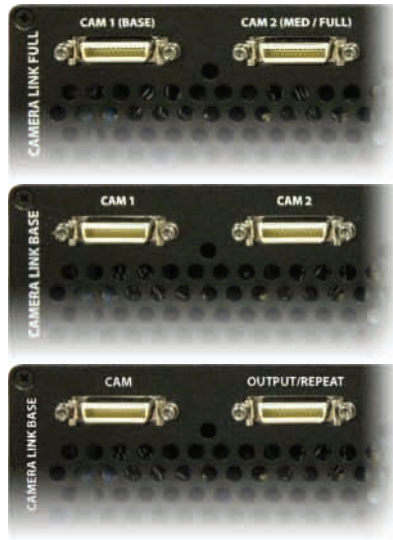
**Designed for use in aircraft, vehicles,
the factory, and the laboratory**

Comes with DVR control software

IOI
IO INDUSTRIES

DVR Express® CORE Models

CAMERA LINK



DVR Express® Core Camera Link Full

- (1) Camera Link Full or Medium, or (2) Camera Link Base inputs
- Maximum input clock frequency of 85MHz
- Supports monochrome (8 to 16bits) and color (Bayer or RGB)

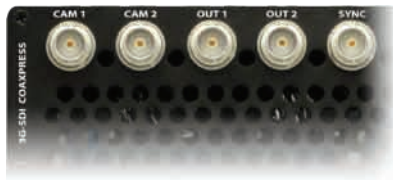
DVR Express® Core Camera Link Base

- (2) Camera Link Base inputs
- Maximum input clock frequency of 85MHz
- Supports monochrome (8 to 16bits) and color (Bayer or RGB)

DVR Express® Core Camera Link In/Out

- (1) Camera Link Base input, and (1) output
- Maximum clock frequency of 85MHz
- Supports monochrome (8 to 16bits) and color (Bayer or RGB)

3G/HDSDI/COAXPRESS



DVR Express® Core 3G-SDI/CoaXPress

3G-SDI Mode

- (2) 3G/HD/SD-SDI inputs plus (2) outputs
- SMPTE : 259, 260, 274, 295, 296, 372, 425, 428
- Includes : 1080p, 1080i, 720p, and RAW modes
- Also records embedded audio and metadata

CoaXPress Mode

- (2) CoaXPress inputs plus (2) outputs
- Includes : 1.25 GHz, 2.5GHz, 3.125GHz
- Single or Dual link operating modes
- Supports power and control over CXP

GIGE VISION



DVR Express® Core GigE Vision

- (2) GigE Vision™ inputs
- Full support for GenICam™ cameras
- Connect cameras directly or through switch
- Supports cameras in multicast mode

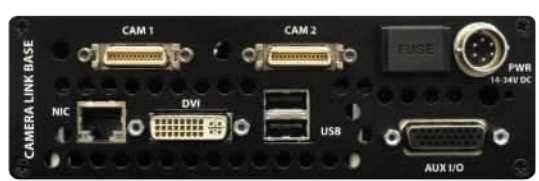
ANALOG



DVR Express® Core NTSC / PAL

- (4) Analog composite inputs
- Supports NTSC and PAL formats
- Also available with (4) S-Video inputs

STANDALONE OPTION



DVR Express® Core Standalone

- Available for Camera Link, 3G/HDSDI, and Analog models
- (1) DVI/HDMI monitor output
- (2) USB for KB/Mouse/Other
- (1) GigE port for remote control

Features of All Models



Connection to Remote Computer:
3Gb eSATA

Trigger Input / Output:

- (6) Bi-directional TTL lines
- (2) LVDS inputs/outputs

Time Stamping:

Every recorded frame is time-stamped by hardware time code generator

Synchronization:

Time code generator can be synchronized to external IRIG, GPS, or other external clock (receiver module not included)

Control Software:

CoreView™, Core SDK, Streams™ 5 (Windows XP/Vista/7 - 32/64 bit)

Storage

- Removable quad-pack drive shuttle
- Up to (4) 2.5" solid state SATA drives
- RAID (levels 0, 1, 0+1, 3)

Mechanicals

Dimensions:

320 x 165 x 50 mm (12.6 x 6.5 x 2")

Weight:

1.4 kg* (3.1 lbs)

Case:

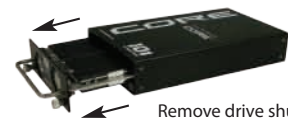
Black, aluminum

Power:

14-34V DC, < 35W*

* Depending on model and storage

Optional Download Module Kit



Remove drive shuttle

Download to PC with DM Kit

