

## PlayoutReady MCR

PlayoutReady MCR is fast. Instant-access schedule & play capability eliminates need to queue files in advance. Instantly start or schedule-insert any video file from the library that can include 1000's of video clips and programs.

View library, edit/make schedules and send video from your production/office computers straight to the server over your LAN. Edit any playlist WHILE it is running. Create/edit future schedules on same system while it is running. Ingest video files from any SAN/NAS/server drive on your LAN.

Includes on-screen display, jog/shuttle, trim and segment editor for quick mark in/out and trims and segmenting.

### SERVICE / WARRANTY

Systems include:  
1 year hardware warranty &  
1 year of m-f 9a-6p ET 800  
support and upgrades.

24/7 support, support and  
hardware warranties after 1st  
year sold separately.

### THE ALL-IN-ONE PLAYOUTREADY SYSTEM

For terrestrial television stations that want an all-in-one server to schedule & play commercials & programs, control switchers and even record & segment live & satellite shows. Systems start at \$17,995 delivered.

#### FEATURES INCLUDE

- **Super simple user interfaces**  
Stations often learn how to use our system in under an hour.
- **All-in-one playout & scheduling**  
Use automation to schedule days, weeks or years in advance. Setup shows and playlists which can be saved, loaded and re-used.
- **Turnkey setup** of all your schedules, interfaces to your editors, recorders, switchers, routers or GPI is provided.
- **Remote training** included.
- **Remote-access** Drag and drop files over Internet and remotely schedule even if server is in a different location.
- **Mpeg2 playout** Works with all/any NLE, clippers, DVD rippers/burners, virtually any product that makes ISO standard mpeg2 video and audio.
- **Gigabit Ingest** No need to real-time dub video to get it on the air, just drag and drop video files directly to our INGEST file folder over LAN or USB/removable media and we import any mpeg2 file WITHOUT transcoding. Minutes of video import in seconds.
- **Built-in segmenting.** Segment files natively in mpeg2 with included segmenter, or create virtual segments with our non-destructive segment play feature that lets you type in and out marks.



#### WHAT'S IN THE BOX

Includes 4U Rackmount all-in-one playout and scheduling server with hot swap/RAID redundant drives & power supplies

Includes any purchased decoder (play) and encoder (record) cards pre-installed, ready for use.

Available in Analog,  
Analog/SDI &  
HD-SDI configurations

Field expandable to 3 channels.  
Add/change channels,  
add more channels, or go  
from SD to HD without  
having to buy a new box.

# PLAYOUTREADY (MCR) SPECS

MCR is our commercial television playout and/or encoding server for terrestrial and cable stations. This system works with all 3rd party production/NLE video editors and other devices that render/create MPEG2 video files. Any MPEG2 video/audio files you make can be drag and dropped to a folder on the server over any LAN or Internet connection. Our ingest software will also let you send video directly from your production/office machines over your LAN or via removable media directly to the server's library. Server provides for basic clip/trim/segment editing destructively or non-destructively without interrupting playout.

**WARRANTY INFORMATION:** We include 1 year hardware warranty on all parts. We allow our customers to open the box and replace parts even if they obtain parts themselves, without voiding warranty. We use industry standard brand-name components that are widely available and not proprietary. We sell a 3 year extended warranty at time of purchase as an option. *Please note: Surge/Lightening damage not covered. Please keep all equipment on sufficient power protection/battery backup/UPS at ALL times. Always shut off machine when making wiring/cable connections to other equipment.*

## BASE unit cost \$16,495.00

You must choose at least one decoder card shown below and can configure with up to 3 decoder & 1 encoder channel.

### Decoder/Encoder Cards

#260 SD/Analog NTSC playout channel \$1495 ea  
#280 SD-SDI digital/analog combination playout channel \$2495 ea  
#500 HD-SDI video w/ embed audio \$3995 ea

### Encoder/Recorder option

(can add up to 2 channels)

SD (ana and SDI) \$4495

HD (SD/HD-SDI) \$4495

SD can auto-record and manually record in SD. HD can autorecord in HD and manually record in SD or HD.

### Expansion Options

System includes 6GB of storage with hot spare. Order a spare drive and/or add up to two additional 2TB for on the fly expansion.

\$299 ea

System includes one 22" LCD OSD but supports dual displays for twice as much screen space/windows.

2nd 22" LCD display monitor

\$249 ea

KVM Extender Cables (\$1 add'l ft)

USB RS-422 port \$150 ea

USB RS-232 port \$35 ea

3-yr extended warranty \$995

Includes 1 year weekday 800 help

desk support plan. Upgrade to

24/7/365 support \$995

On-site Setup \$750/day + travel exp

## HARDWARE SPECS

- Super Micro 4U Rack chassis
- Super Micro Xeon based motherboard
- Windows XP or Windows 7 - customer preference
- 7 PCI-express slots for plenty of expandability. 4 available slots for decoder/encoder cards
- All hot swap RAID drives 2TB RAID 1 mirror for hot swap and archive space with 4TB (on the fly expandable to 8TB). RAID 5 for primary storage space. No shut down required to replace a drive.
- Uses standard SATA drives. You can replace and add drives from us or any store/retail outlet. Nothing is proprietary.
- High end Adaptec hardware RAID supports both SATA and SAS
- Includes RAID onboard battery and 512MB cache

Our standard chassis specification is rated for multi-channel SD or HD playout and encoding, so you can expand and upgrade cards without buying a new system from scratch, just add/change decoder/encoder cards as your needs change.

### Accessories included

- One 22" Wide Screen LCD monitor (supply or buy a second display monitor if you want extra windows workspace for editing/recording)
- 1.5KVA APC UPS/battery backup
- 16 channel 1U rack mount GPIO logic controller (we can start based on closure/triggers, and/or generate triggers/closures for other devices)
- 25' Extender cable for keyboard/mouse/monitor connection (if you don't have an existing KVM system). We can supply longer extender cables if your rack room is farther from your control room. 35, 50, 75 and 100 foot lengths available for \$1/foot additional cost.
- Includes one onboard RS-232 port & 1 spare USB connectable RS-232 port.

# DECODER CARD SPECIFICATIONS

Model	850	500	290	280	260	230
Picture Size	SD & HD (3G)	HD	SD	SD	SD	SD
Chroma Format	4:2:2 & 4:2:0	4:2:0	4:2:2 & 4:2:0	4:2:2 & 4:2:0	4:2:2 & 4:2:0	4:2:2 & 4:2:0
Color Standard	BT.709 & BT.601	BT.709	BT.601	BT.601	BT.601	BT.601
Maximum Video Bit Rate	150 Mbps	80 Mbps	50Mbps	50Mbps	50Mbps	50Mbps

## Video Outputs

3G HD-SDI (SMPTE 424M)	Yes	No	No	No	No	No
HD-SDI (SMPTE 292M)	Yes	Yes	No	No	No	No
SDI (SMPTE 259 M-C)	Yes	No	Yes	Yes	-	-
Composite (RS-170-A)	Yes	-	Yes	Yes	Yes	Yes
Component: RGB or YUV	Yes	Yes	Yes	Yes	Yes	Yes

## Audio Outputs

Embedded Audio Channels	16	12	8	8	1	1
AES3 Digital Audio	8	6	2	1	-	-
S/P-DIF Digital Audio	-	-	-	-	-	1
Balanced Analog Audio	-	-	4	2	2	-
Unbalanced Analog Audio	2	2	-	-	-	2
Unbalanced (CD-ROM style)	2	2	4	2	2	2

## Other Features

Genlock	Yes	Yes	Yes	Yes	Yes	-
Linear Time Code (LTC)	Yes	Yes	Yes	-	-	-
Vertical Interval Time Code (VITC)	Yes	Yes	Yes	Yes	Yes	Yes
Digital Video Adjustments	Yes	Yes	Yes	Yes	Yes	Yes
PCI-Express Bus Interface	4X	1X	1X	1X	1X	No

## Regulatory Approval

FCC	Class A	Class A	Class A	Class A	Class A	Class A
CE Marked	Yes	Yes	Yes	Yes	Yes	Yes
RoHS Compliant	Yes	Yes	Yes	Yes	Yes	Yes

WireReady includes an Analog/AES3/S/P-DIF audio break out cable that connects to the 15 pin connector on the back of the card where applicable.

When multiple decoder/channel cards are ordered, WireReady internally straps the cards Genlock/Sync inputs together with one common input unless told otherwise.



# 4U CHASSIS SPECIFICATIONS

## Key Features

1. 1200W Gold Level high efficiency (1+1) Redundant Power Supply (93%)
2. 8x 3.5" SAS/SATA Hot-swap Drive Bays
3. GPU Support with 4x 6-pin / 8-pin power connectors
4. Adjustable Air Shroud for Various Configurations
5. 100% Cooling Redundancy
6. Rack mount / Tower Convertible
7. 2x Front USB Ports
8. Locking Bezel with Filter
9. Tool-less operation
10. Only High Quality Components and Fans are used for Maximum Reliability



*PlayoutReady includes RackMount Ears/Sliding Rail kit (not pictured)*

## Form Factor

Tower / 4U chassis support for max. motherboard size - 13.68" X 13" (34.7cm X 33cm), ATX, E-ATX

## Processor Support

Supports dual, single Intel / AMD processors

## Dimensions

**Height** 17.2" (437mm)

**Width** 7.0" (178mm)

**Depth** 25.5" (648mm)

**Gross Weight** 58 lbs (26.3kg)

**Available Color** Black

**Package** 24.6" X 14" X 31.3"

## Expansion Slots

7x PCI expansion slots

## Drive Bays

**Hot Swap** 8x 3.5" Hot-swap SAS/SATA Drive Bays  
SAS or enterprise SATA HDD only recommended

**Peripheral Bay(s)** 2x 5.25" Peripheral Drive Bay  
1x 5.25" Bay for Floppy Drive

## SAS / SATA Backplane

SAS / SATA Hard Drive Backplane with SES2

## Front Panel

**Buttons** Power On/Off button  
System Reset button

**LEDs** Power LED  
Hard drive activity LED  
2x Network activity LED  
System Overheat LED  
Power Fail LED

**Ports** 2x USB Ports

## System Cooling

**Fans** 3x 5000 RPM Hot-swap PWM Cooling Fans  
2x 5000 RPM Hot-swap Rear Exhaust PWM Fans

## System Monitoring

Chassis intrusion switch

## Operating Environment (System)

**Operating Temperature Range** 10 - 35 degrees C (50 - 95 degrees F)

**Non-Operating Temperature Range** 10 - 35 degrees C (50 - 95 degrees F)  
-40 - +70 degrees C (-40 - 158 degrees F)

**Humidity Range** 8 - 90% non-condensing

**Non-Operating Humidity Range** 5 - 95% non-condensing

## Power Supply

Redundant 1200W high-efficiency power supply with PMBus

**AC Input** 100 - 140V, 50 - 60Hz, 8 - 11.5 Amp  
180 - 240V, 50 - 60Hz, 5.5 - 8 Amp

**DC Output +12V** 1000W, 83 Amp @ 100-140V  
1200W, 100 Amp @ 180-240V  
5Vsb: 4A

**DC Output with PDB** +5V: 50 Amp  
+3.3V: 30 Amp  
-12V: 0.6 Amp

**Certification** 80 PLUS Gold Certified

## Regulatory (Power Supply)

**Power Supply Safety / EMC** USA - UL listed, FCC  
Canada - CUL listed  
China - CCC Mark  
Europe/CE Mark  
EN 60950/IEC 60950-Compliant  
Germany - TUV Certified