

# XPression



## XPRESSION TESSERA ONE

XPression Tessera One is an all-in-one solution that provides over six million broadcast quality pixels to drive engaging content to your venue's LED displays. The customizable XPression Graphics and DashBoard Control Panels provide an interface so simple anyone can run it. Customize pre-built example XPression Templates or create your own graphics to produce dynamic data-driven content that will engage fans and generate revenue through enhanced sponsorship opportunities.



### ENGAGE

Keep your fans engaged during the event with pre-built score bug templates for a variety of sports and matching venue control DashBoard panels, pre-built and designed to work with each sport.



### STORY TELLING

The score is only part of the story at a game. Information about the players, the venue, and even the concession stand can be used to fill the video board and tell you fans what they need to know about the event.



### REVENUE

In addition to the video of the game, add sponsor logos on the big screen and encourage fans to visit your sponsors and even the concession stand. Create or drive new revenue streams for your venue and your community while entertaining your fans.



## A COMPLETE LED CONTENT MANAGEMENT SYSTEM

For sporting events, Tessera One system comes with a library of customizable pre-built game-in-progress XPression graphics and Tessera example templates for a collection of common sports, including:



The XPression Tessera One solution also includes purpose-built Ross Video DashBoard display control surface for each of the included sports graphics packages provided with XPression Tessera One. This allows users to get started as soon as they connect the system to the screens and power sources. The purpose-built Dashboard display control panels mean that there is minimal training required to produce an event, starting on day one.



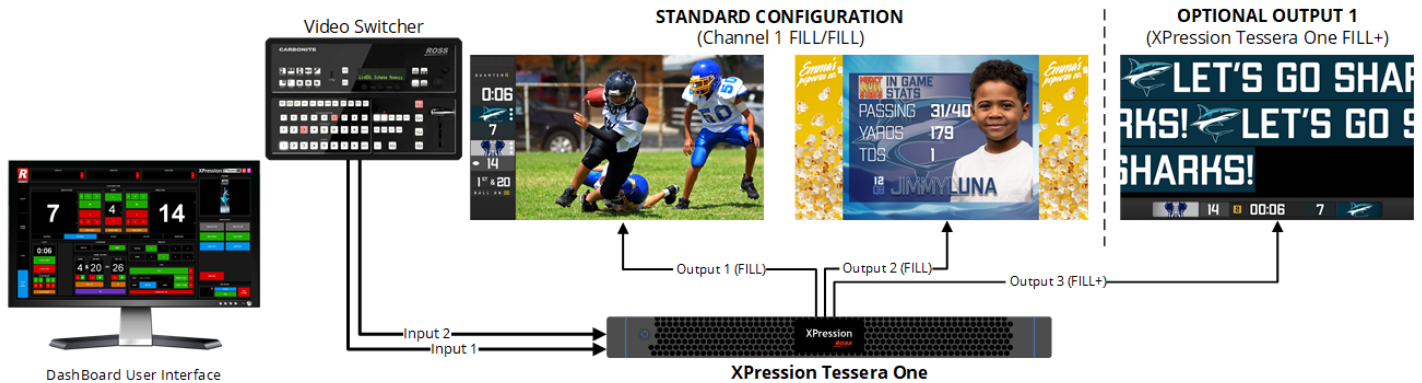
## COMPACT AND POWERFUL

XPression Tessera One packs a big punch in a small footprint! Adding two live video inputs, the XPression Tessera One LED Content Management system allows you to display all the action larger than life on the big screen in your venue. At only 1RU, it delivers up to three 1080P HD outputs, which can be mapped to fill over six million LED pixels.



## LOW LATENCY VIDEO INPUT PROCESSING

Designed as an all-in-one LED content management system, XPression Tessera One utilizes a low latency video input processing function of less than three frames. This means that a video input signal passed through XPression Tessera One with graphics composited over it will not distract the fans in the stands. What they see on screen will appear at the same time as it does on the playing surface or stage.



## A COMPLETE WORKFLOW SOLUTION

Whether you just need to show the event video and a score superimposed or fill additional display requirements such as ribbon boards or an additional fan engagement monitor, XPression Tessera One is a powerful solution. A variety of XPression graphics projects and DashBoard Panels are provided for an out of the box solution for Venue Control. To complete your XPression Tessera One Venue Control experience, XPression Tessera One also provides licensing for XPression INcoder and DataLinq™.



The included XPression INcoder software imports video files using a watch folder-based workflow to convert your files into XPression Video Codec assets for use in traditional graphics content or even slicing them apart to use in ribbon boards or other XPression Tessera regions.

XPression DataLinq™ is also part of the XPression Tessera One solution, to make it even easier for less experienced users to display scores or data in real-time. Bring data sources like a Microsoft Excel spreadsheet with the lineups or connect to your venue's game clock, shot clock, and scores directly to display it all on the big screen. Operators can also utilize XPression DataLinq™ to integrate other data feeds ranging from RSS, XML or JSON feeds of scores around the league or around the world.







## DIMENSIONS

Height	Width	Depth
42.8 mm (1.68")	48.20 cm (18.98")	57.76 cm (22.74")

## WEIGHT

Net Weight	Gross Weight (Shipped)
12.42 kg (27.38 lbs.)	19.34 kg (42.63 lbs.)

## HARDWARE

Chassis	1RU Chassis (rackmount)
Power Supply	550W redundant supplies Voltage Range 100-240 VAC Input Current 7.4 A- 3.7 A
Power Consumption	Idle:150W Full load: 200W
Noise Level	Idle: 54db, Full Load: 56db, Pitch<1000Hz
Temperature & Humidity Range	Temperature: 10–35°C (50°F–95°F) Humidity: 10% to 85% (Max dew point temperature = 40°C)
System Drives	2x 256GB SSD RAID 1 Mirrored)
Media Drives	2x 1TB SSD RAID 1 (Mirrored)
CPU	Intel Core i9-9900K, 8 Core, 16MB Cache, 3.6GHz, 5.0Ghz Turbo
Memory	16GB (2x8GB) 2666MHz DDR4 UDIMM Non-ECC
GPU	NVIDIA Quadro RTX4000, 8GB GDDR6, 2304 Cuda® Cores, 3x Display Port 1.4
Video I/O	Matrox® X.mio3/24/100/L

## IMAGE FILE FORMATS

\*.tga | \*.tif | \*.psd | \*.bmp | \*.jpg | \*.gif | \*.png

## CLIP FILE FORMATS

AVI | MPEG | QuickTime | Sequential Images

## 3D FILE FORMATS

\*.3ds | \*.obj | \*.fbx | \*.c4d

## INPUTS / OUTPUTS

Video	Up to 4 Video Outputs   2 Inputs
Audio	Embedded Audio Only
Reference	1x Analog Black Burst (Bi-Level Sync) or Tri-Level Sync input

## CONTROL

Ethernet	1x RJ-45 1G Ethernet Ports 1x RJ-45 10G Ethernet Ports
GPI	RS-232 Serial GPI, RossTalk/Smart GPI through TCP/IP
USB	Front Panel: 2x USB 3.1 (Type A) 1x USB 3.1 (Type C)/iGFX Display Port Rear Panel: 2x USB 3.1 (Type C)/iGFX Display Port

## INCLUDED ACCESSORIES

Rack Mount Kit	Slide rails, handles, and mounting hardware
USB	2x USB Type C to USB Type A Adapters
Keyboard	Standard USB PC Keyboard
Mouse	USB mouse
Security Key	USB key pre-installed internally
Software	XPression Software dongle

## VIDEO FORMATS

480i 29.97Hz (NTSC) | 576i 25Hz (PAL) | 720p 50Hz  
720p 59.94Hz | 720p 60Hz | 1080i 25Hz | 1080i 29.97Hz | 1080i 30Hz | 1080p 29.97Hz | 1080p 50Hz  
1080p 59.94Hz | 1080p 60Hz | 1080psf 23.976Hz  
1080psf 24Hz | 1080psf 25Hz | 1080psf 29.97Hz  
1080psf 30Hz | Custom Formats

## INCLUDED SOFTWARE

- Microsoft® Windows® 10 Professional 64-bit O/S
- XPression software package

## WARRANTY

12-Month System Warranty (parts / labor)



## ORDERING GUIDE

To order the XPression Tessera One LED Content Management System, Ross Video has simplified the part codes for a stand-alone (or Primary) system **XTS-ONE** with options for adding an additional FILL output and training and commissioning items.

### XTS-ONE

XPN-1RU-XTS-ONE-M8	XPression Tessera One Hardware (1RU Chassis)	INCLUDED
XTS-ONE-0001	XPression Tessera One Software and License	INCLUDED
XTS-ONE-FILL+	XPression Tessera One Extra Fill (3 <sup>rd</sup> ) Output	Optional
SLE-COM-1DAY	On-site Operational Training 1-Day (T&E not included)	INCLUDED
SLE-OTR-1DAY	On-site Operational Training 1-Day (T&E not included)	INCLUDED
TRAVEL-PRE-001	Pre-Paid Travel and Expenses (quoted by Ross Video)	Optional

For customers requiring a redundancy solution, Ross Video offers the XPression Tessera One Redundant configuration option **XTS-ONE-RED**. This includes duplicate hardware, and the ability for adding redundant hardware output configurations as well as an option for XPression Project Server software for managed content distribution between the primary and redundant systems in the configuration.

### XTS-ONE-RED

XPN-1RU-XTS-ONE-M8	XPression Tessera One Hardware (1RU Chassis)	INCLUDED
XTS-ONE-0001-RED	XPression Tessera One Software and License	INCLUDED
XTS-ONE-FILL+RED	XPression Tessera One Extra Fill (3 <sup>rd</sup> ) Output	Optional
XPN-PS	XPression Project Server (SW Only)	Optional

