UBICAST
KALTURA
PRESENTATIONS 2GO
Making Video, Reality
ensemble video
StreamShark

VOD

Live Streaming

Record Directly or
Store and Forward to
Local or Cloud Server

Preview Monitor/
Projection

matrox
Matrox Monarch LCS

Input A
SDI or HDMI
PTZ Camera

Input B
HDMI
Computer Presentation

Matrox® Monarch™ LCS

Lecture Capture

Educational institutions can use Monarch LCS to stream lectures via their own web server or media delivery platform directly into the homes of their students for distance learning. The same content that is streamed live can be recorded at a higher quality to a central media library and made available immediately after the class for VOD download.

Monarch LCS offers five modes of operation. The operator can select either *Single isolated mode* or *Dual isolated mode* to record or stream the input(s) with no additional processing. To mix both inputs into a single video asset, the operator can select *Picture-in-Picture mode*, where the camera of the speaker is overlaid on the computer feed, *Side-by-Side mode*, where both inputs are positioned, or *Switcher mode*, where they can dynamically switch between the video inputs being encoded.

Monarch LCS provides SDI and HDMI outputs. The outputs can be independently set to output either input A or input B, a useful feature for driving in-house projections. The HDMI output also gives the operator the option of selecting the production output at the frame size of the encoding parameters providing the operator a preview of what is being encoded.

For more information
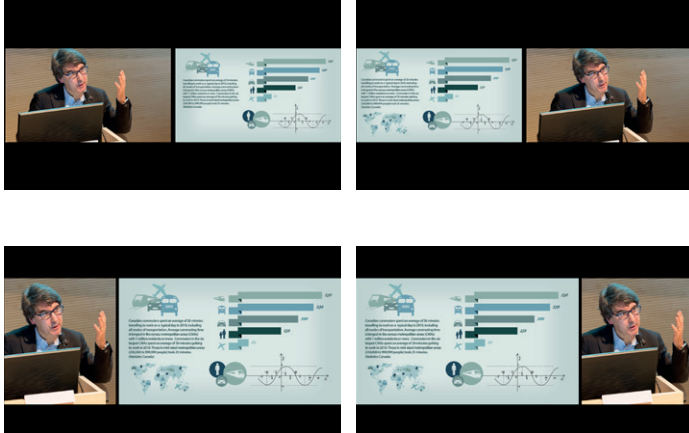www.matrox.com/monarchlcs/edu

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Dual-Input Modes of Operation

Picture-in-Picture mode

Video cropping not applied

Side-by-Side mode

Video cropping enabled by preset

Dual isolated mode

Inputs sent to separate encoders

Switcher mode

Dynamically switch between inputs, selected input sent to encoder

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VOD

Record Directly or Store and Forward to Local or Cloud Server

Live Streaming

Preview Monitor/ Projection

Input A SDI or HDMI PTZ Camera

Input B HDMI Computer Presentation

Matrox® Monarch™ LCS

Corporate Communications

Corporations can use Monarch LCS to stream company-wide keynote presentations, quarterly updates, or shareholder meetings via their own web server for internal communications, or media delivery platform of choice for external communications directly to employees and interested parties to keep them updated with the latest news, new product releases and trends. The same content that is streamed live can be recorded at a higher quality to a central media library and made available immediately after the presentation for VOD download.

Monarch LCS offers three modes of operation. To mix both inputs into a single video asset, the operator can select *Picture-in-Picture mode,* where the camera of the speaker is overlaid on the computer feed, *Side-by-Side mode,* where both inputs are positioned, or *Switcher mode,* where the operator can dynamically switch between the video inputs being encoded.

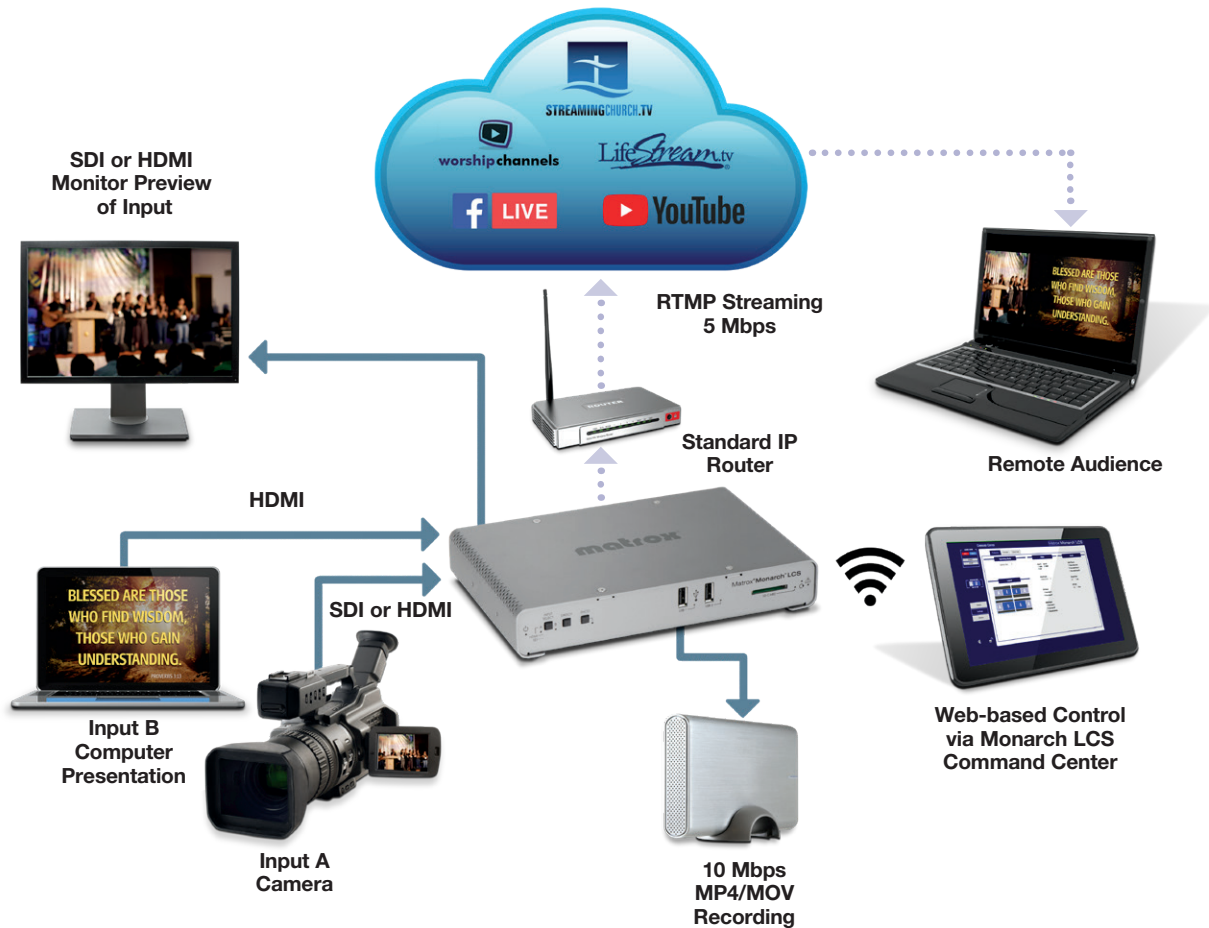**For more information**
www.matrox.com/monarchlcs/webcasting

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SDI or HDMI Monitor Preview of Input

STREAMINGCHURCH.TV
worshipchannels
LifeStream.tv
f LIVE
YouTube

RTMP Streaming 5 Mbps

Standard IP Router

Remote Audience

HDMI

SDI or HDMI

Input B Computer Presentation

BLESSED ARE THOSE WHO FIND WISDOM, THOSE WHO GAIN UNDERSTANDING.

Input A Camera

matrox Monarch LCS

Web-based Control via Monarch LCS Command Center

10 Mbps MP4/MOV Recording

Matrox® Monarch™ LCS

House of Worship

Houses of worship can reach local shut-ins, the elderly, and the disabled with high quality streaming, and recording, without the need to invest in major production level equipment. Monarch LCS can accept two inputs from HDMI and SDI sources, and is capable of simultaneously webcasting services and recording them at a higher quality for VOD. Built-in frame synchronizers at both inputs ensure uninterrupted streaming and correct any incoming signal issues that may occur—for example, from external switching. With Monarch LCS, services can be captured in either *Side-by-Side* or *Picture-in-Picture operating modes,* encouraging congregants watching online to follow corresponding text and hymns during the service, for an enhanced remote viewing experience.

For more information
www.matrox.com/monarchlcs/webcasting

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SDI or HDMI
Monitor Preview
of Input

LIVE

YouTube

WORKS WITH WOWZA

USTREAM

RTMP Streaming
5 Mbps

Standard IP
Router

Remote Audience

HDMI

SDI or HDMI

Input B
Computer
Presentation

Input A
Camera

10 Mbps MP4/MOV
Recording

Web-based Control
via Monarch LCS
Command Center

Matrox® Monarch™ LCS

Set It and Forget It Production Webcasting

Deliver high-quality streams to Facebook Live or YouTube with production value, without operator assistance. Monarch LCS inputs can be mixed together in either *Side-by-Side or Picture-in-Picture* to achieve a high quality look for your streams.

Once your look is set, no further production decisions are needed. Just a single push of a button starts and stops your produced stream. Monarch LCS is also capable of simultaneously recording your productions at a higher quality for VOD.

For more information
www.matrox.com/monarchlcs/webcasting

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