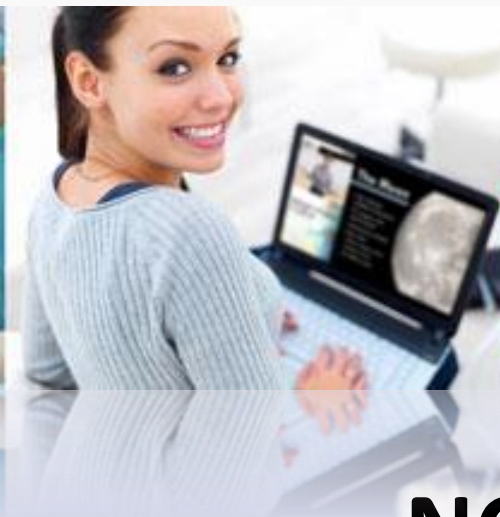


Daly MEEC Webinar – Presentation Recording and Streaming Solutions by NCast



NCast has a solution for your presentation needs.



Daly MEEC Contract

IDIQ Contract for Desktops / Portables, Storage, Servers, Network, Virtual Computing, Peripherals, and Related Service. Contract No.: UB-12-B-19-D1

Managing Agency - University of Baltimore on behalf of the Maryland Enterprise Educational Consortium (MEEC) and University System of Maryland (USM)

Daly was ranked #1 in all categories. As the top ranked contractor, Daly is designated as a Solutions Contractor specifically authorized to provide integrated solutions using technologies from across all categories of the contract. In this capacity, Maryland educational institutions can utilize Daly's engineering and architectural capabilities as well as a multitude of professional services to obtain the needed integrated systems.

Lecture Capture – Who Needs It? What Are the Applications?

- Standard Classrooms
 - Where a review tool is important
- Simulation Labs
 - Medical Mannequins
 - Vitals in one window, student video other
- Special Events
- City Council Meetings
- Church services
- Board Meetings
- Morning Announcements
- Interviews
- Play Observation

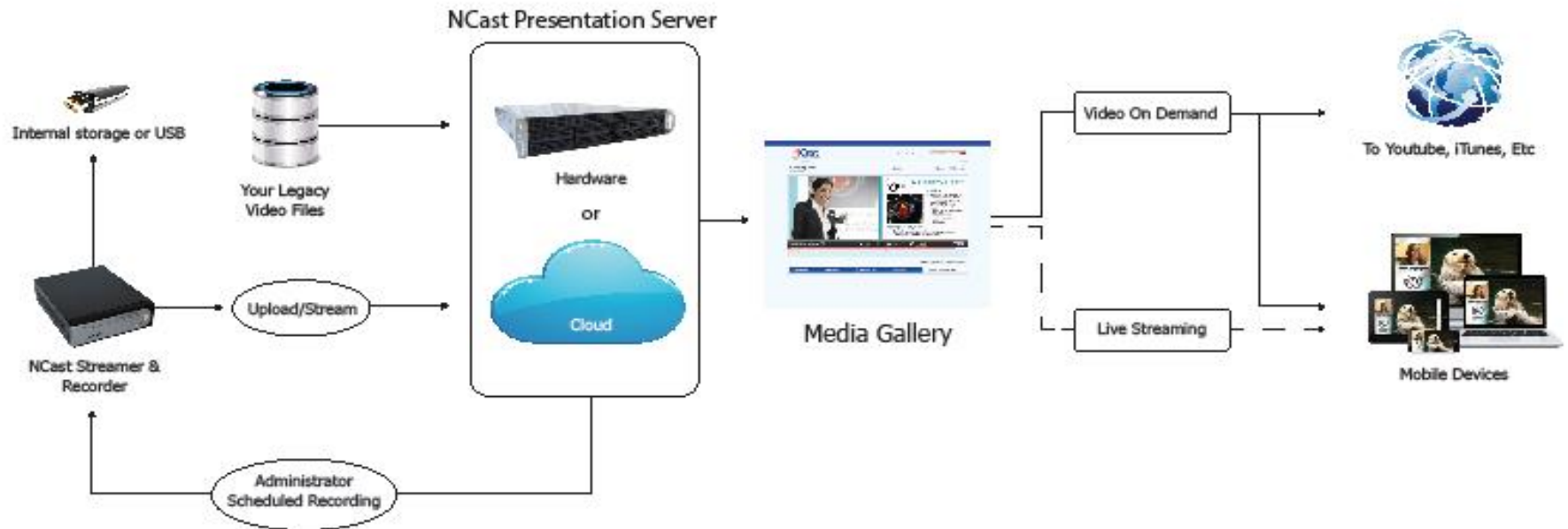
What Does NCast Do?

NCast provides the hardware and software to schedule, capture, record, stream live and/or publish what goes on in a classroom/meeting room with flexible single or dual active window layouts so that both a video image and a computer presentation can be captured together.

The file (episode) can be made available in via an internal network or the internet either on demand or a live stream.



NCast's End-to-End Solution



Schedule, Capture, Publish, View


Schedule



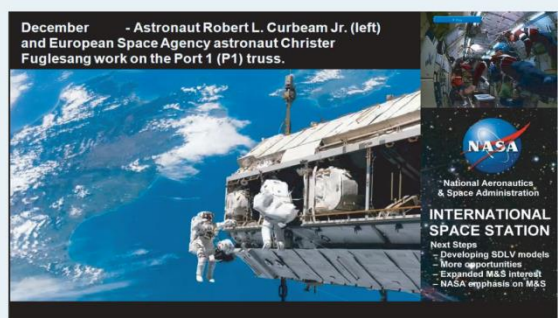
Easily schedule presentation recordings using Google Calendar and iCal
Recurring schedules can be easily automated

Capture

High quality video and graphics complete with transitions and motion



Capture multiple sources during presentation



Up to four graphic overlays and four text overlays

View



On-demand viewing or live streaming on computers and mobile devices.

Publish



Local or distributed content
Integrate with learning managements systems

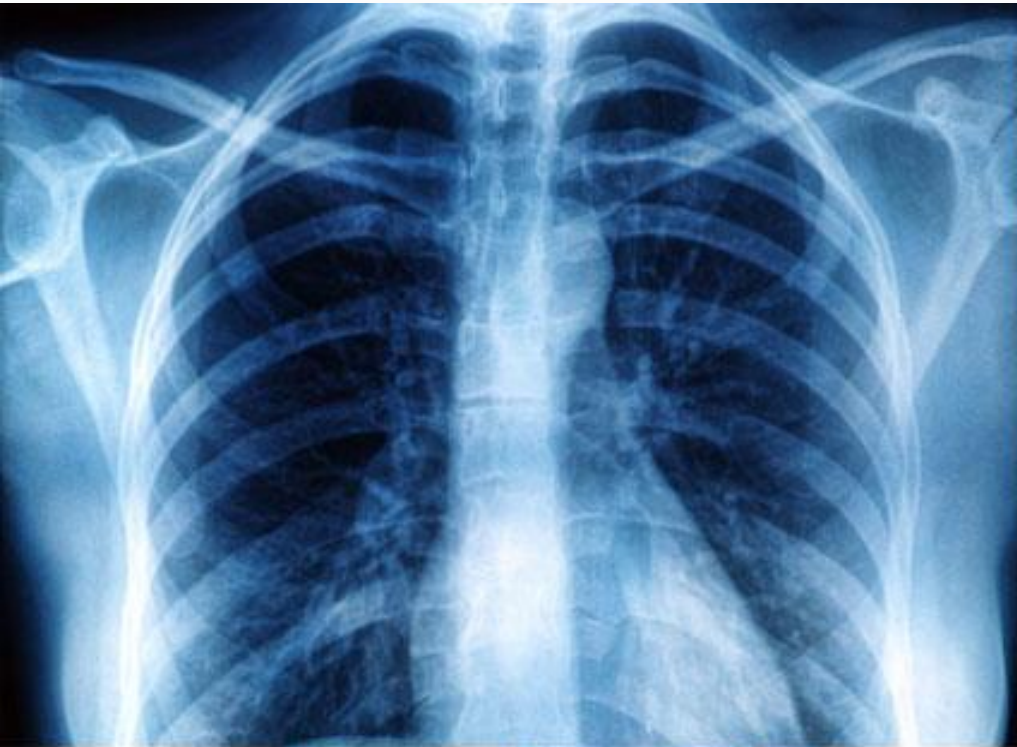


**Aquatic Animal Health
by Prof. Kahale**



**Columbus
University**
Giving students a bright future





Hart Institute of Cardiology™

Advancements in Neurosurgery



Example of Layouts

Scripture from Matthew 28:1-20

1 After the Sabbath, at dawn on the first day of the week, Mary Magdalene and the other Mary went to look at the tomb.
2 There was a violent earthquake, for an angel of the Lord came down from heaven and, going to the tomb, rolled back the stone and sat on it.



FIRST PRESBYTERIAN CHURCH

Palo Alto

More Life • More Love • More Light



Services for Easter Sunday, April 12th, 2009

Copyright ©2009 First Presbyterian of Palo Alto



Example of Layouts



**Opencast Matterhorn
2012 Unconference**

**General Session
Room B103**

www.opencast.org
June 6th-8th, 2012
Cambridge, Massachusetts

Recorders and Streamers

- Presentation Recorder Family

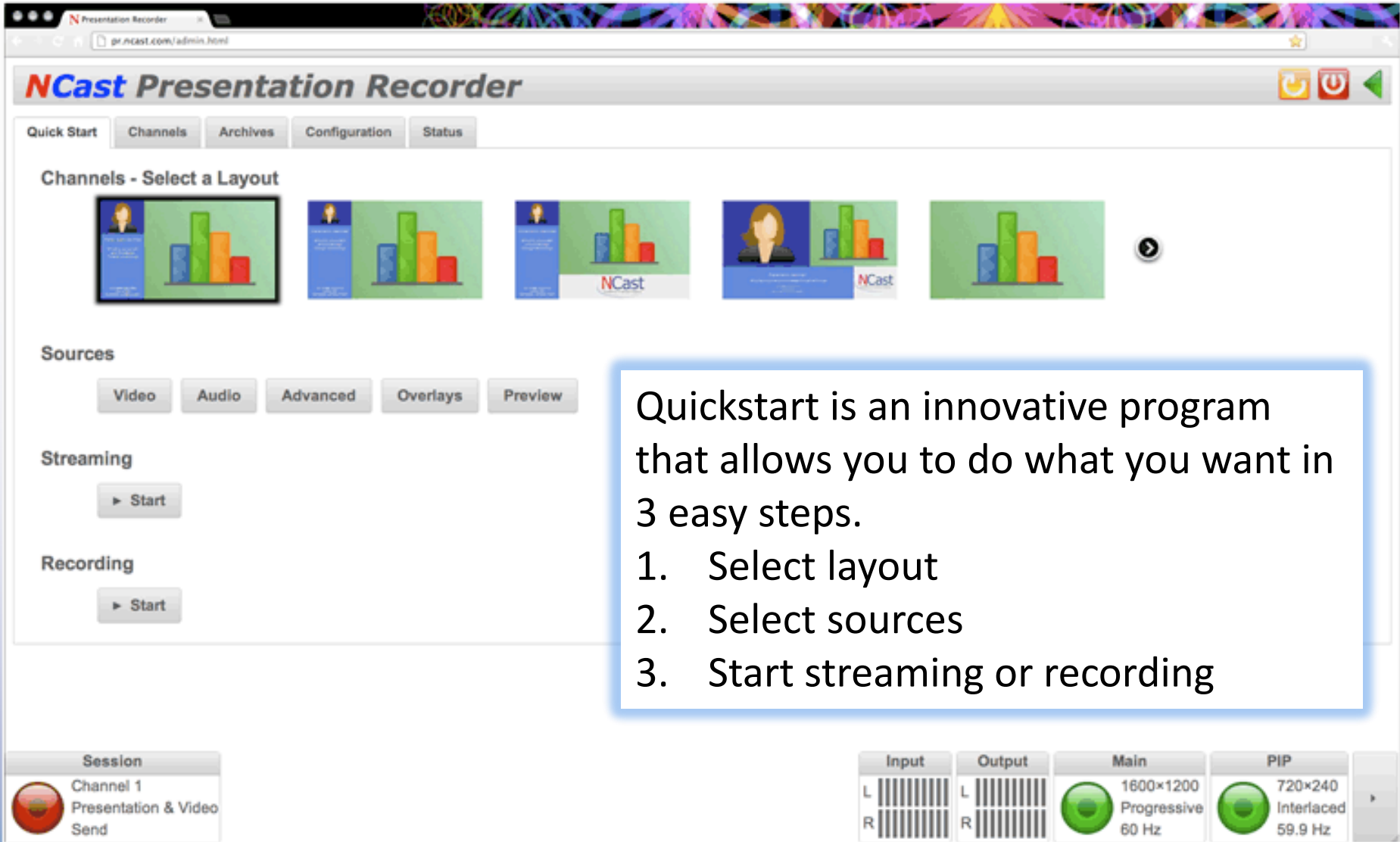


Presentation Servers

- Presentation Server
- Video Cloud Option
- Distribution Server
- Workflow Clusters



NCast helps you present critical information with Quickstart

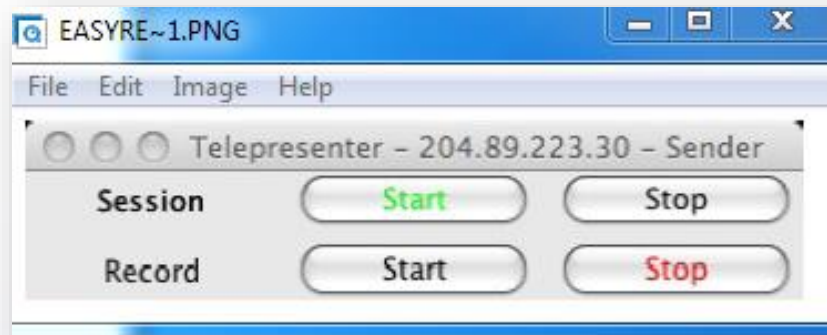



Quickstart is an innovative program that allows you to do what you want in 3 easy steps.

1. Select layout
2. Select sources
3. Start streaming or recording

Easy to Deploy!

Run on local Notebook, Mac or PC,





Media Archives

Below you will find all previously recorded presentations available for viewing.

Username: _____
Login: _____
Logout: _____

Filters:

Course [x]

- Mathematics
- Literature
- Physics
- Nursing
- Health

[See All ... \(12\)](#)

Presenter [x]

- Jon Peha
- Jennifer Bradford
- Sherri Cozzens
- EMM
- Zamar Media

[See All ... \(6\)](#)

Quality [x]








- Dial Up
- DSL
- T1
- T3
- Mobile


[See All ... \(6\)](#)

[All Filters ... \(4\)](#)

Previous | Page: 1 | 2 | Next

Results 1-30 of 43

	<p>Keynote Speaker - March 8th (HiDef for High Bandwidth) <i>by Jon Peha</i> Tue Mar 13 2012 18:09:00 GMT-0700 (PDT) Jon Peha delivers the Keynote address for Cenic 2011</p>	Cenic 2011
	<p>CSU STEM Initiatives (HiDef for High Bandwidth) <i>by Jennifer Bradford, John Ittelson, CSU MB, George Station, CSU MB</i> Tue Mar 13 2012 19:28:00 GMT-0700 (PDT) Discussion on CSU's outreach, teaching and research efforts in health, science, technology, engineering and mathematics</p>	Cenic 2010
	<p>Care of an Older Adult (HiDef for Low Bandwidth) <i>by Sherri Cozzens</i> Mon Mar 19 2012 21:18:00 GMT-0700 (PDT) Sherri Cozzens explains Parkinson's Disorder, symptoms, and how to care for an elderly person with PD.</p>	DeArza
	<p>NASA ISS - Video & PPT (HiDef for High Bandwidth) <i>by EMM</i> Mon Mar 19 2012 19:38:00 GMT-0700 (PDT) A demonstration by NASA of running a dvd and powerpoint slides simultaneously.</p>	NASA
	<p>BATMC Expo (HiDef for Low Bandwidth) <i>by Zamar Media</i> Wed Mar 28 2012 16:33:00 GMT-0700 (PDT) Zamar Media presents a live band performing a worship session, with lyrics ran along side.</p>	Zamar Media
	<p>Building Converged Research Networks (HiDef for High Bandwidth) <i>by Umesh Lakshman</i> Tue Mar 13 2012 20:25:00 GMT-0700 (PDT) Umesh gives an instructional speech on bulking high-performance converged research networks.</p>	Cenic 2011
	<p>OptiPortal to the People (HiDef for Low Bandwidth) <i>by Jeff Weekley</i> Mon Mar 19 2012 19:27:00 GMT-0700 (PDT) Jeff Weekley discusses a low-cost approach to the provision and management of an networked</p>	Cenic 2011



Enterprise IT Solution Provider

The screenshot shows the NCast presentation server interface. At the top left is the NCast logo with the tagline "Excellence in Capture and Streaming". To the right, there are links for "Go to Media Gallery" and a "Search Media" search bar. A "Log out" link is in the top right corner. Below the header, the video title "A Healthy Heart" by Katie Purcell is displayed, along with "See More", "Share", and "Shortcuts" options. The main content area features a video player on the left and a presentation slide on the right. The slide is titled "A Healthy Heart" and includes an "Overview" section with a bulleted list of facts about heart rate and measurement methods, and a "Keeping a healthy heart" section with advice on diet, stress, and family history. The video player shows a progress bar at 00:00:08 of 00:08:52. At the bottom, there are tabs for "Description", "Segments", "Segment Text", and "Comments", along with a "Search this recording" button.

This thumbnail shows a smaller version of the NCast presentation server interface, displaying the video player and the presentation slide content.

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NCast Presentation Recorders: Feature Highlights

HD Recorder and Streamer

- Storage: internal storage, external USB, and automatic upload to CDN's or servers
- Quality: 128kbps to 5Mbps bit rate
- Crestron/AMX controllable via RS-232 or serial IP
- Controllable by any of the following: web-based, RS-232, serial over IP, Java or PHP/DH, and REST API
- Remote management by webpage, Java applet or NCast Network Management Dashboard



NCast Presentation Recorders: Models and Form Factors

- Select model based on recording usage
 - **PR-HD Basic:** records up to 720p at 30fps
 - **PR-HD Extreme:** records up to 1080p at 25 fps, 720p records *and* streams at 30fps
 - **PR-HD Ultra:** records up to 1080p at 25 fps, records *and* streams at 720p at 30fps, 3G HD-SDI, 720p at 30fps
- Select form factor:
 - Rackmount, dual rackmount, mobile and podium



NCast Presentation Recorders: Rackmount/Dual Rackmount

Features of Dual Rackmount

- Two independent encodings
- Dual wide-screen delivery
- Synchronized encodings
- Fail-safe system

Rackmount

- Cost-effective solution for single room installations
- May be integrated into existing audio visual rack system and operated by same control system



Front



Back



Front



Back

NCast Presentation Recorders: Rackmount/Dual Rackmount



Two independent encodings using one machine!





NCast to add a new dimension in a premium yet affordable Presentation Recorder

Dual-Channel Recording and Streaming -

Two independently recorded files and/or media streams for no-compromise dual-screen capture of a presenter and presentation. Dual streams, dual record, dual upload, dual everything.

High-Resolution, High Frame-Rate Recording

Capture at 1080p60 for the Presenter and Presentation

Multiple All-Digital Inputs with Traditional VGA and Composite

A full input connector lineup with HDMI (2x), DVI-I, Displayport, VGA, and Composite. Optional 3G-SDI available. Output to HDMI or RGB. Dual balanced audio inputs.

Three fully featured Compression Engines

Used for multi-bitrate recording and streaming. Record two high-resolution files and stream at an alternate bit rate.



NCast to add a new dimension in a premium yet affordable Presentation Recorder

Page 2

Picture-by-Picture Composition with Graphical Overlays

NCast's real-time compositing of a background image, live-windows (PIP or Side-by-Side), graphical overlays and text overlays is unmatched in the industry.

Huge Internal Storage

Internal SATA Storage – 500 GB to 1 TB

Multiple Command and Control Interfaces

Web-based Control, Serial Interface and a REST API. A feature set second to none.



Send your presentation around the globe, on-demand or live!

NCast Presentation Servers

Media Management Server with on-demand and live streaming

- Allows for multiple live streaming over the internet using a Presentation Recorder

Models:

Basic

- Up to 50 concurrent viewers, 1 TB storage.

Classroom

- Up to 100 concurrent viewers, 2+2 TB storage.
- User Role Access Control, Workflows

Department

- Up to 200 concurrent viewers, 4+4 TB storage
- User Role Access Control, Workflows, OCR, more processing power

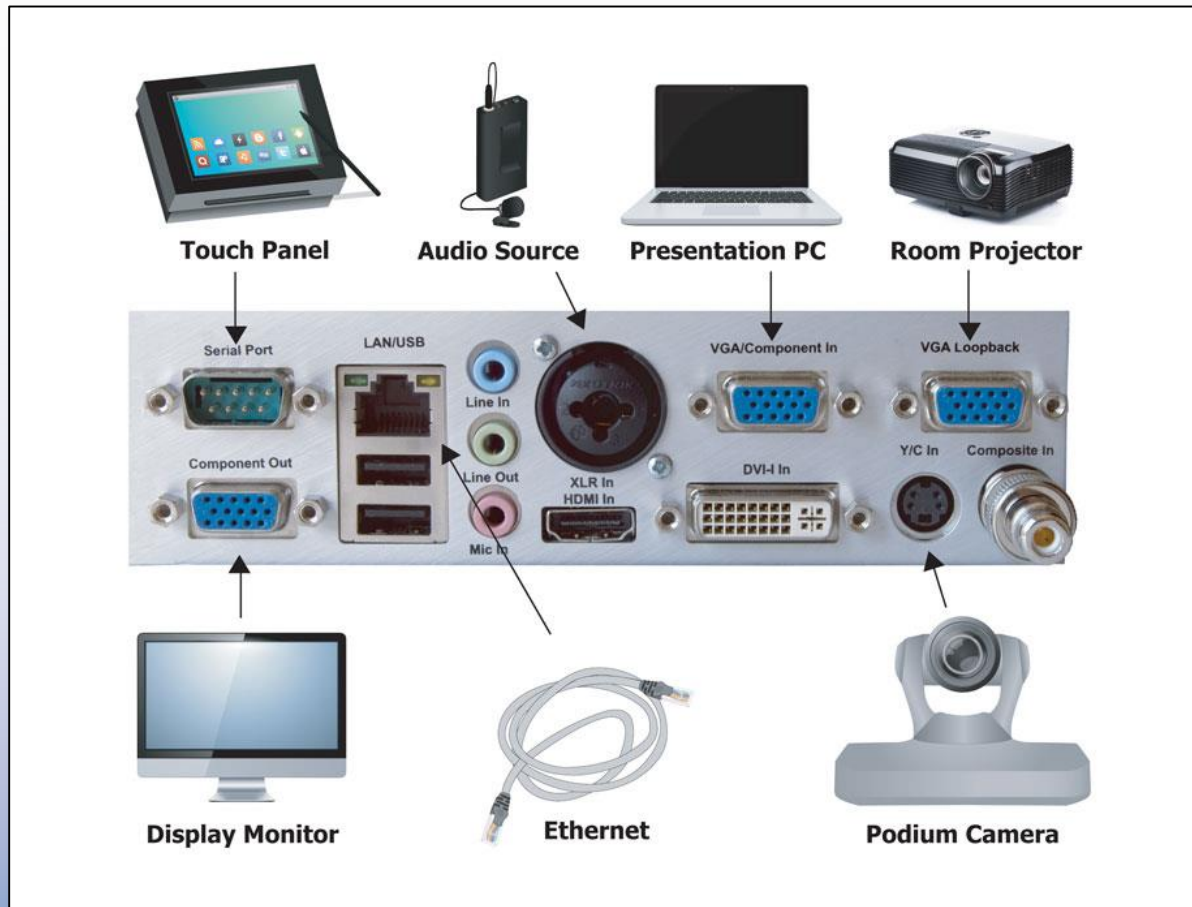
Enterprise

- > 200 concurrent viewers
- User Role Access Control, Workflows, speech-to-text, LDAP, Moodle, etc.



Compelling Advantages

- Affordable – no licensing or upgrade fees
- Easy setup – integrates into existing room system



Typical
Room Installation

Compelling Advantages

- Record to internal drive, then upload either to an external USB or to CDN's or servers or both
- Companion Presentation Server is a robust media management VOD and live streaming system



NCast Presentation Server

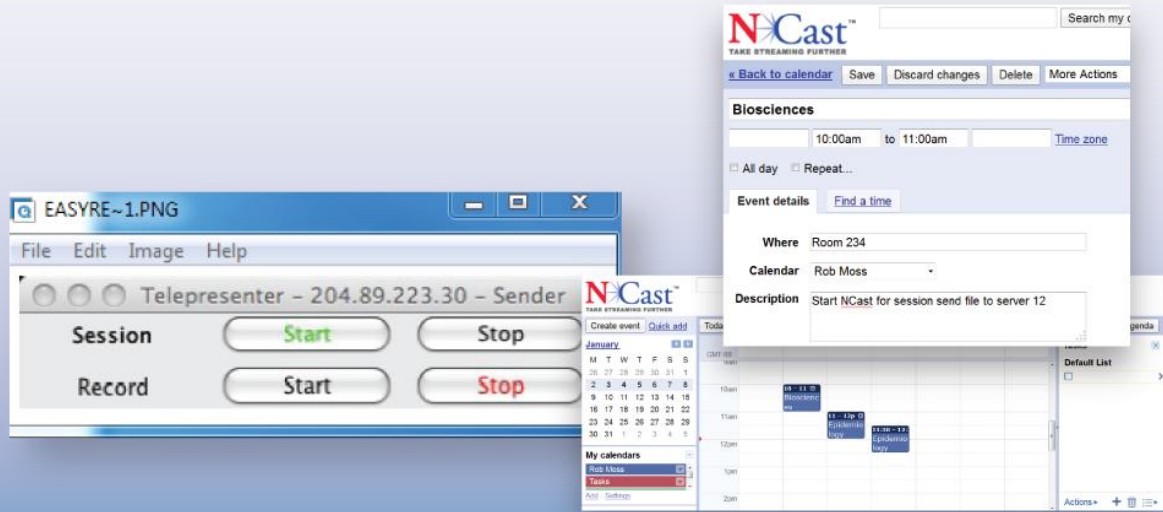
Compelling Advantages

- Simultaneous HD recording and streaming with the Presentation Recorder
- Industry standard H.264/MPEG4 encoder
- Multiple switchable analog and digital inputs



Compelling Advantages

- Numerous controls
 - Quickstart
 - Crestron/AMX controllable via RS-232 system or serial over IP
 - Java or PHP/DH
 - REST API
- Robust scheduling options especially with Google Calendar or iCal
- Remote management by computer, Java or Network Management Dashboard



RECORDERS & STREAMERS

PRODUCT FAMILY	PRODUCT	SKU #	MSRP	EDUC
NCast Telepresenter <i>All-in-one HD recorder & simultaneous Live streaming server</i>	Telepresenter M4 Records and generates up to 25 concurrent live streams, a month of storage, WUXGA (1920x1200), full 1080 HD, 30fps. Quality: 128kps to 10Mbps. Unicast & multicast. Transcodes automatically in to different formats.	M4	\$ 8,995	\$ 8,095
NCast Presentation Recorder <i>HD Recorder and Streamer</i> Storage: internal storage, external USB, and automatic upload to CDN's or servers. Quality: 128Kps to 5MBps. Includes: QuickStart, Crestron/AMX controllable via RS-232 or serial IP. Five types of controls: web-based, RS-232, serial over IP, Java or PHP, and REST API. Remote management by Java, Android, or NCast Network Management Dashboard. Schedule recordings using iCal and Google Calendar.	Presentation Recorder HD Ultra Records or streams up to 1080p at 25fps, simultaneously records and streams 720p at 30fps, a week to a month of storage. Upgrade to 64 or 128 GB. 3G-SDI digital input. Simultaneous HDMI and Display Port inputs, or simultaneous DVI and Display Port inputs. RGD or Y-Pb-Pr (component) analog outputs.	PR-HD-Ultra-R PR-HD-Ultra-D PR-HD-Ultra-M PR-HD-Ultra-P	\$ 6,995 \$10,995 \$ 6,495 \$ 6,495	\$ 6,295 \$ 9,895 \$ 5,795 \$ 5,795
	Presentation Recorder HD Extreme Records or streams up to 1080p at 25fps, simultaneously records and streams 720p at 30fps, a week to a month of storage. Upgrade to 64 or 128 GB. HDMI digital monitor output. Simultaneous HDMI and Display Port inputs, or simultaneous DVI and Display Port inputs. RGD or Y-Pb-Pr (component) analog outputs.	PR-HD-Extreme-R PR-HD-Extreme-D PR-HD-Extreme-M PR-HD-Extreme-P	\$ 5,495 \$ 8,995 \$ 4,995 \$ 4,995	\$ 4,895 \$ 8,095 \$ 4,495 \$ 4,495
	Presentation Recorder HD Basic Records and streams 720p at 30fps, a week to a month of storage. Upgrade to 64 or 128 GB. Simultaneous HDMI and Display Port inputs, or simultaneous DVI and Display Port inputs. RGD or Y-Pb-Pr (component) analog outputs.	PR-HD-Basic-R PR-HD-Basic-D PR-HD-Basic-M PR-HD-Basic-P	\$ 4,995 \$ 6,995 \$ 4,495 \$ 4,495	\$ 4,495 \$ 6,295 \$ 3,995 \$ 3,995

Our presentation recorders come in the following form factors: rackmount, dual rackmount, mobile, or podium (not pictured).



Rack mount (R)



Dual Rackmount (D)



Mobile (M)



PRESENTATION SERVERS & CLOUD SERVICE

PRODUCT FAMILY	PRODUCT	SKU # Specify Video Server or Video Cloud.	VIDEO SERVER ¹ MSRP	VIDEO CLOUD ² MSRP / month
NCast Presentation Server <i>Media Management System with on-demand and live streaming</i> Note: Presentation Server is required for multiple live streaming over the internet using a Presentation Recorder.	Presentation Server – Basic Up to 50 concurrent viewers. 1 TB total storage (dual 500 GB) Cloud: Up to 2000 hours at 500 Kbps bitrate quality With Simultaneous Live Streaming Extra 200 hours at 500 Kbps	SVR-BASIC	\$ 5,995	\$495*
	Presentation Server – Classroom Up to 100 concurrent viewers. 4 TB total storage (dual 2 TB). User Access Control, Workflows Cloud: 3500 hours at 500 Kbps bitrate quality With Simultaneous Live Streaming Extra 400 hours at 500 Kbps	SVR-CLASS	\$ 9,995	\$ 695
	Presentation Server – Department Up to 200 concurrent viewers. 8 TB total storage (dual 4 TB). User Access Control, Workflows, OCR, more processing power. Cloud: 5000 hours at 500Kbps or 2000 hours at 1 Mbps bitrate With Simultaneous Live Streaming Extra 400 hours at 500 Kbps or 200 hours at 1 Mbps	SVR-DEPT	\$ 13,995	\$ 995
	Presentation Server – Enterprise >200 concurrent viewers. User Access Control, Workflows, speech-to-text, LDAP, Moodle, etc. Cloud: Unlimited hours at any bitrate quality With Simultaneous Live Streaming Unlimited hours of streaming	SVR-ENT	Custom	Custom
	With Simultaneous Live Streaming Unlimited hours of streaming	SVR-ENT-LIVE	Custom	Custom
NCast Distribution Server <i>Reflector and enterprise distributor</i>	Distribution Server – Enterprise Distribution for more than 200 concurrent VOD users	DISTR-SVR	Custom	Custom
NCast Workflow Clusters <i>Optional enhancement servers for customized workflows</i>	Workflow Engine Enhancement – Department	WKFLOW-DEPT	\$ 5,995	\$ 795
	Workflow Engine Enhancement – Enterprise	WKFLOW-ENT	Custom	Custom
	Workflow Engine Enhancement – Custom	WKFLOW-CUST	Custom	Custom

*Free for first 5 users for one month normal usage.

No download required for user's device. One year hardware warranty.

Server: comes with a browser-based player for the User, an admin web-portal for Administrators, and a hardware presentation server.

¹ Our recommendations are based upon moderate loads, environments are highly variable and actual results are determined by your unique usage.

² Video Cloud: Bandwidth restrictions apply. Annual payments if applicable. Installation fee may apply.



Events

October 7

Daly Technology Showcase
The Westin Richmond
Richmond, VA

October 10

Daly Technology Showcase
BWI Airport Marriott
Baltimore, MD



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