

***Jeff indicates \$20-35 per unit,
krw called May 30, 2019**

Zimbra**kwalz@mbari.org**

RE: MBARI Digitizing Project

From : jeff@blackboxmms.com
Subject : RE: MBARI Digitizing Project

Tue, May 21, 2019 07:41 AM

 3 attachments

To : 'Kristine Walz' <kwalz@mbari.org>, 'Nancy Jacobsen Stout' <jana@mbari.org>

Hello Kristine,

Regarding the MBARI Video Archiving Project, below please find the answers to your questions. We are prepared to take on a project of this size quickly. If the following answers to your questions meet your approval we would like to discuss further the location of the Tapes, feasibility of access, location for Digitizing and time frame. After a few questions we will prepare a price per each unit (tape) that includes all of the MBARI processes requested/required (described below).

I look forward to hearing from you to set up a call to discuss further at your earliest.

Warm regards,

JB

- MBARI Questions:
BlackBox Response:

- Can you support our tape formats (Beta SP, DigiBeta, Panasonic D5 HD)?

Yes – we support Beta SP and DigiBeta for our fully robotic ingest, and can do semi-automatic ingest on the D5 HD

- We currently use ProResHQ (Apple or ffmpeg) as our archival format and H.264 as our proxy video? Can you deliver those formats and what other formats are available?

Yes – we can deliver both Apple and FFMPEG variants of ProResHQ – but also can provide media in DNxHD / DNxHR, XDCAM, IMX, MPEG4, etc. We also provide proxies as standard in H264 variant.

- What hardware/software systems used to transcode video from tape?

We use Sony Flexicarts to automate the process of tape digitisation for Digibeta variants (Beta SP, Betacam, HDCAM, HDCAM-SR, etc.) – with the Telestream HD Pipeline devices for capture. We also would use standalone D5 HD decks for the D5 capture, going into the same Telestream Pipeline HD infrastructure. The end to end process is managed through our MAM and Orchestration platform –BlackBox/Cubix. It performs onward

transcoding using FFMPEG by default, for the creation of the final masters and proxies.

- Details of QC/sum checks reports?

BlackBox/Cubix manages all channel conditions on ingest for digital based formats, and then as standard we perform a 5 point QC spot check on the asset. We can also provide an automatic QC pass using Interra Baton to one of a set choice of profiles that best suits your content types. The results of this test are provided with the asset – as well as being available in our portal.

- Are progress/verification reports provided and what is included in them?

Yes – you are able to track in real time what is occurring with an asset via our portal. This shows where in the workflow the asset is, and what the predicted ETA is for its completion. You can also view the proxy of the asset, as well as the AQC report – once available. An example screenshot below;

The screenshot displays the Zimbra BlackBox/Cubix portal interface. The top navigation bar includes links for Taskflow, Advanced Search, Basket, Configuration, Assets, Managers, Taskflow Design, and Reports. A user profile for 'cubix' is visible in the top right corner. The main content area is titled 'Taskflow' and features a search bar with a 'Keyword' field and a 'Search' button. Below the search bar, there are sections for 'Recently Added Jobs', 'Recently Created Tasks', 'Basket', and 'My Dashboards'. The central part of the interface shows a 'Taskflow' section with buttons for 'New Task', 'Save As Default', 'Save', and 'Clear'. Below this, there is a 'Saved Searches' section with a dropdown menu showing 'AETN Store Assets - Pending Spot Check' and a 'Keywords' field with a 'Search' button. The 'Tasks' section displays a table of tasks with columns for 'See Details', 'Status', 'Required Date', 'Taskflow Name', 'Taskflow Title', 'Last Updated', and 'Assigned By'. The table lists several tasks, with the second row highlighted in green. To the right of the tasks table, there is a 'Summary Information' section with a dropdown arrow. Below this, there are buttons for 'EDL Summary', 'Escalate', 'Add Notes', and 'Adv. Taskflow'. The 'Summary Information' section includes fields for 'Task Title', 'Task Notes', 'Last Updated', 'Due Date', 'Predicted ETA', 'SLA Status', and 'Micro Tasks'. Below these fields, there is a 'Workflow Specific Information' section with fields for 'Barcode', 'Title', 'Location', 'Cubix ID', 'Source Type', 'TX Master', 'Aspect Ratio', 'Resolution', and 'Duration'.

See Details	Status	Required Date	Taskflow Name	Taskflow Title	Last Updated	Assigned By
View	Pending 5 Point Spot Check	17/10/2017 00:00:00	Spot and Spin - Store Assets	02560805	16/05/2019 17:58:12	Arhur Rahman
View	Pending 5 Point Spot Check	11/01/2018 00:00:00	Spot and Spin - Store Assets	03399154	16/05/2019 17:43:00	Arhur Rahman
View	Pending 5 Point Spot Check	15/12/2017 00:00:00	Spot and Spin - Store Assets	03010389	16/05/2019 17:41:58	Arhur Rahman
View	Pending 5 Point Spot Check	01/02/2019 00:00:00	Spot and Spin - Store Assets	02281437	16/05/2019 17:40:05	Anher Uddin
View	Pending 5 Point Spot Check	16/01/2018 00:00:00	Spot and Spin - Store Assets	01950219	16/05/2019 17:38:53	Arhur Rahman
View	Pending 5 Point Spot Check	19/12/2017 00:00:00	Spot and Spin - Store Assets	02005052	16/05/2019 17:35:41	Arhur Rahman
View	Pending 5 Point Spot Check	20/10/2017 00:00:00	Spot and Spin - Store Assets	03183223	16/05/2019 17:32:28	Arhur Rahman
View	Pending 5 Point Spot Check	09/09/2017 00:00:00	Spot and Spin - Store Assets	02787827	16/05/2019 17:16:24	Arhur Rahman
View	Pending 5 Point Spot Check	15/01/2018 00:00:00	Spot and Spin - Store Assets	03010389	16/05/2019 17:10:10	Arhur Rahman

Summary Information

Task Title: GANGSTERS: AMERICA'S MOST...

Task Notes: RUBEN CAVAZOS

Last Updated: May 16 2019 5:43PM

Due Date: 11/01/2018 00:00:00

Predicted ETA:

SLA Status: Unknown

Micro Tasks

Select Micro Task

Submit

Workflow Specific Information

Barcode: 03399154

Title: n/a

Location: M.R.J B 00X

Cubix ID: AETN-45621

Source Type: n/a

TX Master: Yes

Aspect Ratio: 16:9

Resolution: HD

Duration: 00:45:13:10

View	Pending 5 Point Spot Check	04/04/2018 00:00:00	Spot and Spin - Store Assets	02582221	16/05/2019 17:01:39	Arkar Rahman
View	Pending 5 Point Spot Check	09/01/2018 00:00:00	Spot and Spin - Store Assets	03267050	16/05/2019 16:59:36	Arkar Rahman
View	Pending 5 Point Spot Check	04/01/2018 00:00:00	Spot and Spin - Store Assets	0830136	16/05/2019 16:42:44	Arkar Rahman
View	Pending 5 Point Spot Check	15/01/2018 00:00:00	Spot and Spin - Store Assets	02424176	16/05/2019 16:41:34	Arkar Rahman
View	Pending 5 Point Spot Check	04/01/2018 00:00:00	Spot and Spin - Store Assets	02687760	16/05/2019 16:18:18	Arkar Rahman
View	Pending 5 Point Spot Check	04/01/2018 00:00:00	Spot and Spin - Store Assets	02531072	16/05/2019 16:13:41	Arkar Rahman
View	Pending 5 Point Spot Check	19/12/2017 00:00:00	Spot and Spin - Store Assets	02145626	16/05/2019 16:12:42	Arkar Rahman
View	Pending 5 Point Spot Check	01/09/2017 00:00:00	Spot and Spin - Store Assets	03210028	16/05/2019 16:10:42	Arkar Rahman
View	Pending 5 Point Spot Check	04/01/2018 00:00:00	Spot and Spin - Store Assets	02911732	16/05/2019 15:54:19	Arkar Rahman
View	Pending 5 Point Spot Check	20/10/2017 00:00:00	Spot and Spin - Store Assets	02910469	16/05/2019 15:40:19	Arkar Rahman
View	Pending 5 Point Spot Check	09/10/2017 00:00:00	Spot and Spin - Store Assets	02107052	16/05/2019 15:30:06	Arkar Rahman
View	Pending 5 Point Spot Check	20/02/2019 00:00:00	Spot and Spin - Store Assets	02406200	16/05/2019 15:31:44	Arkar Rahman

Deliverable Cubix ID: AETN-40590

Deliverable Duration: 00:42:38:00

Red Channel Conditions: None

Deliverable Duration: 00:42:38:00

Physical Scans:



- File naming methods and metadata support (e.g. auto-naming, manual entries, metadata extracted from user bits, encoded in atom headers)?

We will configure a rule to name the filenames to the required method – either based on the incoming asset barcode or metadata. We can also add additional metadata to both the asset in Blackbox/Cubix, as well as the subsequent ProRes / H264 as header information (e.g. title, description, tape number, etc.). BlackBox/Cubix allows for a fully configurable schema and so any amount of both flat and hierarchal metadata can be managed.

- Clip length options (e.g. 1 hour-long videos get cut into 15 minute clips)?

We can deliver the assets as whole files (there is no need to segment them for us) – but we can also segment the asset as needed. If the tape contains multiple elements / sections we can segment this using the proxy in our portal – and then deliver the segments as individual assets as preferred.

- Hardware delivery method options (e.g. LTO-6, hard drive, RAID, cloud)?

We can deliver on LTO-6, HDD or RAID, cloud (Azure, Amazon S3, Backblaze B2, Wasabi) – we can also deliver direct (point to point) using our own file acceleration software. All deliveries via cloud / P2P are done immediately after a successful QC – meaning that content can be made available quickly, rather than in blocks.

- Can the digitization happen at our facility or at your facility?

We provide the service either from our UK location, or as a “fly away kit” where we can place the equipment within your facility to avoid tape shipping fees, etc.

- Do you offer short- and long term tape storage options?

Yes – we offer free short term storage during the life of the digitisation project, as well as then long term storage options. Pricing available upon request – but is based on per unit per month.

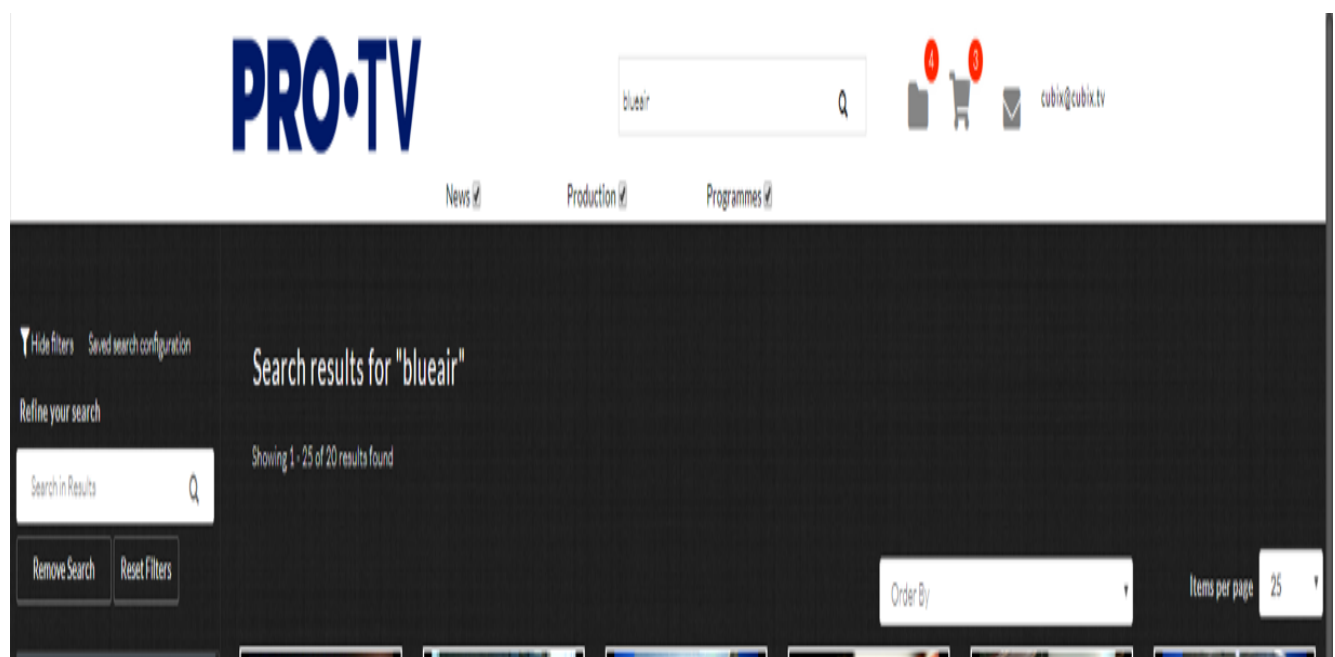
- Cost per unit, batch, or entire lots for digitization and storage media?

All costs are per unit – and we try and simplify the pricing so you are clear on what the exact costs will be. We do not have any hidden fees for transfers, storage, etc. Once we have been able to discuss your digitisation workflow requirement (e.g. segmentation, metadata augmentation, delivery method, capture location) we can provide a per unit cost.

As regards to timescales – we would expect an asset library of this size to take approximately 18 months to complete – assuming 3 flexicarts. Depending on if the capture was to be done in our existing facility, or if it was to be done within MBARI facility – would affect both the time and the best method (e.g. immediate or in batches). Both are possible though. We have availability immediately to start work on the content from our UK facility.

We do offer discount for large scale projects – and so would be happy to provide a discount in this case.

We provide both cloud storage, as well as cloud portals for being able to search and view the content – as well as support for AI integration for speech to text and image detection – allowing the content to be even more searchable / discoverable.



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TX Date - 2013-05-19

Jeff Beaulieu

BLACKBOX**Media Management Services**

Los Angeles & Nashville

Call: 213.810.2393

Email: Jeff@Blackboxmms.comSite: www.BlackBoxmms.com

From: Kristine Walz <kwalz@mbari.org>**Sent:** Tuesday, May 14, 2019 11:47 AM**To:** jeff@blackboxmms.com**Subject:** Fwd: MBARI Digitizing Project

Hi Jeff, below is the message I sent along to your old email address last week:

From: "Kristine Walz" <kwalz@mbari.org>**To:** jbeaulieu@visualdatamedia.com**Sent:** Wednesday, May 8, 2019 3:23:39 PM**Subject:** MBARI Digitizing Project

Hi Jeff,

I'm following up with some communications that you and Nancy Jacobsen-Stout had exchanged about MBARI's project to digitize our archived videotapes (digital betacam and HD D-5 formats). Do you have pricing information that we can view for a project such as this? I can resend all the information if you need it to re-generate, most of it included below.

Thanks so much,

Kris

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Kris Walz

[kwalz@mbari.org](mailto:kwalz@mbari.org)

Monterey Bay Aquarium Research Institute (MBARI)

831-775-1810 office

831-775-1620 fax

### MBARI Digitizing Project Questions

The Monterey Bay Aquarium Research Institute (MBARI) is a non-profit organization dedicated to furthering ocean science through the peer efforts of science and engineering. We use cutting-edge technologies to study the ocean. Many of these technologies include video streams, which include a videotape archive of over 24,000 hours. This archive includes Beta SP (4,458 hours), Digital Beta (11,906 hours), and D5 high-definition (9,500 hours) formats.

We are seeking information about your company's ability to digitize our archive. These are some specific questions about your digitization, compression, and delivery methods:

- Can you support our tape formats (Beta SP, DigiBeta, Panasonic D5 HD)?
- We currently use ProResHQ (Apple or ffmpeg) as our archival format and H.264 as our proxy video? Can you deliver those formats and what other formats are available?
- What hardware/software systems used to transcode video from tape?
- Details of QC/sum checks reports?
- Are progress/verification reports provided and what is included in them?
- File naming methods and metadata support (e.g. auto-naming, manual entries, metadata extracted from userbits, encoded in atom headers)?
- Clip length options (e.g. 1 hour-long videos get cut into 15 minute clips)?
- Hardware delivery method options (e.g. LTO-6, hard drive, RAID, cloud)?
- Can the digitization happen at our facility or at your facility?
- Do you offer short- and long term tape storage options?
- Cost per unit, batch, or entire lots for digitization and storage media?
- Estimate tape #s: 9,000 30-minute digital beta cam, 11,500 Digitbeta, and 9,600 D5 HD

Please contact me if your company is interested in working with us on this exciting project.

### **Second tier of questions**

- Availability in schedule? We do expect this will likely be done in phases and are interested in comparing scheduling options, e.g. immediate, 3, 5 and 10 year options.
  - Additional costs (e.g. media, service, delivery, tax, other fees)?
  - Are there discounts for science, nonprofit status or for our large project?
  - Do you offer cloud storage services (currently only an exploratory question)? If so, what are the details of the program?
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