HETMA

HIGHER EDUCATION TECHNOLOGY MANAGERS ALLIANCE

The HETMA Approved program was created to provide a service to evaluate products through the lens of higher education technical managers. A diverse group pooled from our membership allows different perspectives to shape the outcome of any approval. The following are the findings of the Approved Committee and the evaluating members.

Company: PTZ OPTICS

Product: PT20X-LINK-4K-WH

Overall score: Exceeds Expectations

Approval Status: Approved – PTZ Camera

The results of this evaluation are good for the terms that the product is in its current production state as outlined in the Approved Terms and Conditions. Any major change in build, firmware, or software could result in a need for re-evaluation.

Please contact communications@hetma.org for HETMA Approved Program media packet for posting on company websites, social media, and print media.

Evaluator Demographic Information

Institution/University size:
Small (less than 5000): 2
Medium (5000-10000): 2
Large (greater than 10000): 1

Evaluator Certifications: CTS, CTS-I, CTS-D Extron A/V Associate, Crestron Master Technology Architect, CompTIA N+, Dante, Extron DSP, Project Management or A/V-AVIXA, QSYS, Net+, CCNA, CEH

Evaluation Results and Notes

Questions asked in the evaluation

1. Verification: How we tested the product or service.

"Initially tested by our event tech staff for live events; next, installed in a classroom controlled by Q-SYS and using SDI video. We don't have a Dante video decoder (yet) so we unfortunately could not test that specific feature set. Verified all outputs (HDMI, SDI, etc.) , controlled it with both Q-SYS and Crestron controllers, left it powered on (PoE) for several weeks, and also used it for a couple of special events before installing it."

"Setup for an event using the Superjoy for control utilizing SDI in a switcher. Then, it was set up in our sandbox room with network control via Q-Sys and tested HDMI outputs. We could not test Dante's video as we are not equipped for that. Tested all outputs and controls. Used it for an event. Tested in a "classroom" environment for several days without issues."

"Bench test, office test. So, this camera is basically the same as the PT20X-4K-XX-G3, but with the addition of Dante AV-H support as well as support for PTZ Optics's "Hive" cloud-based management and control platform. We tested Dante audio, but not full Dante AV-H, as our network wasn't set up to support that. We also did not test the Hive platform."

2. Quality: Does the product or service meet quality standards? Does it have a warranty or replacement

program?

"Solid build quality. Great quality video with tons of customization options. Smoother pan/tilt/zoom operation, improved over their previous generation of cameras."

"Excellent build quality. Good video quality. Very reliable. Excellent camera. Could not test Dante Video though.

"Again, same quality notes as the PT20X-4K-XX-G3. Sturdy camera, PTZ motor is smooth and quiet. Physical I/O ports feel very high quality.

3. Performance: Does the product or service perform below, at, or exceed expectations?

"Performs well. Same performance as the Move 4K model, just with Dante instead of NDI."

"Performs well. HDMI and SDI worked well. Easy control. Everything operated very smooth."

"Just like with the PT20X-4K-XX-G3, the tracking and framing is very good. Video quality is very good. We got 4K signal into video switcher via HDMI and SDI

4. Network and Security: If networked, how is it deployed? What network standards does it follow? How secure is it? Are there any physical security options?

"PoE powered; HTTPS certificate may be uploaded; multiple login levels (admin / guest)."

"Connected to the network. Password protected with ability to have different user levels."

"Supports DHCP and static IP, does not support server-based authentication (SSO/AD). Has two user logins with different access level settings (admin & guest). Supports NTP time sync (configurable). RTMP and RTSP stream settings are completely configurable."

5. HETMA+: What about this product or service makes it a good fit for higher education and for technical managers?

The point of the Approved Program is to provide higher education technical managers with recommendations for products that can better the lives of students, faculty, and staff by providing a better learning and teaching environment. With that in mind, we evaluate products for the specification and performance review, how they fit into our space, and the impact they could have.

The PT20X-LINK-4K-WH camera was wonderful to evaluate. PT20X-LINK-4K-WH met the expectations in quality and performance for higher education institutions.

Here are some of the comments from evaluators:

"It's reliable, performs well, is PoE, is competitively priced, has a long warranty, responsive tech support, and can be integrated easily into multiple control systems. Checks all the boxes for the primary needs of Higher Ed."

"Performed well, easily deployed. Reliable."

"Since it's basically the same as the Move4K camera, this camera is equally a good fit for higher education, with additional features that some schools might need to take advantage of due to project needs. I would imagine this camera would be more appropriate for larger event venues, given the Dante AV-H features and Hive support.

Overall, the evaluators stated that the PT20X-LINK-4K-WH will become part of their thought process in future classroom planning. We are happy to give this an Approval rating and look forward to our continued partnership.

HETMA Approved Program Chair.