

7820000 Video Equipment
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (1-8-13)

Please revise to read "Ensure the outdoor power consumption does not exceed 125 watts." since there are indoor power consumption requirements exist. 2- 782-2.2.2.2 Inputs and Outputs: Please check the sentence completion. It discusses 4 component video input but only specifies 3. Provide the video display control system with a minimum configuration of 84 composite video inputs, 4 component (red, green, and blue [RGB]) video inputs, 8 SXGA inputs, and 84 DVI inputs as well as network connections, decoders, and associated hardware and software required to display 32 inputs simultaneously at a minimum resolution of 720 pixels x 480 pixels and a frame rate of 30 fps, or as shown in the Plans.

Response:

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Comments: (1-17-13)

The D1 ITS Office reviewed the subject specification and we have the following comment:

Section **782-1.2.9.3 Encoding Video Specifications** – The MPEG 2 format is being removed from table 1.1. This is the only format we have deployed in D1. It appears moving forward all new cameras would only be H.264 (or above).

Our Barco system, in its current state, will not accommodate H.264 streams. This would require upgrading all the SVC-1 cards to SVC-2 cards. Therefore any new H.264 cameras would not work on our existing system.

Response:

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Comments: (1-18-13)

782-1.2.2 Lens: Ensure that the standard definition CCTV camera has a minimum 22x motorized optical zoom lens with automatic iris. Ensure that the high definition CCTV camera has a minimum 18x motorized optical zoom lens with automatic iris.

The intent of lowering this to 18x is for HD cameras. However this paragraph states "standard definition", so lowering would open the door for substandard products. Should be 22x for standard def and 18x for high def.

782-1.2.9.1 Video Encoding: The camera must utilize the Moving Picture Experts Group's MPEG-2 video compression technology in accordance with the International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC) requirements detailed in the ISO/IEC 13818 standard or the Moving Picture Experts Group's MPEG4 part 10 (H.264) video compression technology in accordance with the ISO and IEC requirements detailed in the ISO/IEC 14496-10:2009 Standard.

There are no MPEG2 IP domes. They are all H.264

782-1.2.9.2 Encoded Video Interoperability: Ensure the camera's encoded video is interoperable with hardware and software decoders from other manufacturers. Ensure the camera's encoded video can be decoded by a minimum of two other manufacturer's software decoders and a minimum of two hardware decoders

Not really applicable for H.264. Very few decoders on the market as most is software decoding. Would be better suited to say "adheres to the H.264 standard"

H.264

176 x 120, 352 x 240, 720 x 480

This doesn't make sense

Plans. The camera must be capable of remote firmware upgrade via the communication interface. Ensure that IP cameras support the Open Network Video Interface Forum (ONVIF) Core, Streaming, and Media Service specifications.

Agreed that ONVIF should be supported. But you may want to also add NTCIP. God knows when SWRI will implement ONVIF.

Response:
