Bidding: Display Content Management System (DCMS) and Video Wall

Requirements and Specs
1. Network based video content distribution and management system to display visual content on any network attached display device.
2. Enterprise level DCMS software with browser-based interface, drag and drop GUI for configuring displays and content. DCMS must manage content on all displays connected to the system.
3. DCMS must be able to input, manage, and distribute visual content, including video management applications/viewers, web pages, TV, workstation applications, mobile devices and active screens from any networked workstation. Ability to stream any content source or legacy application.
4. Users of the DCMS must have access to all visual content available on the network and must have the ability to display any network visual source on the video display wall in any size or orientation.
5. Ability to create and edit video display wall and monitor layouts with support for multiple video wall configurations. Allow to flexibly switch between different video wall layouts. Provide the flexibility to create subdivisions among displays or video walls to show multiple content running simultaneously, in a fixed layout through Multi-Window source. For example, user can play VMS content on one window, Web Browser content on the other window and so on.
6. Creation of video wall configurations by dragging, dropping and sizing sources on the video wall and saving them as layouts for easy switching by users.
7. Ability to drag and drop individual displays or group of displays onto sources. Sources shall be sent to each assigned display within the group.
8. Allow users to run same content on multiple displays in synchronization.
9. Ability to select content by button clicks. Content can be changed on individual displays, group of displays or multiple groups simultaneously.
10. DCMS supports the inclusion of unlimited sources without additional cost. Support 10/100/1000 Ethernet communications for device management and other communication.
11. DCMS software must be commercially available and not custom built or beta and compatible with displays from any manufacturer or size. DCMS has ability to transform the content to match the display accordingly including video walls consisting of different display sizes. Balance color and brightness between all units. DCMS can support up to an 8K video wall and individual 4K displays via off the shelf components.
12. DCMS software to be installed on Intel based server. At least one DCMS server with current generation Intel Xeon multi-core (8 + cores) CPU, 64GB ram, Gigabit NIC, 256GB SSD with Quadro RTX6000 GPU, 10GB secondary NIC, 2x BMD Quad2 (16 capture ports), 16x Quad2 connector pack, rackmount kit. 26 port gigabit PoE+ network switch.
13. Zero clients to connect displays to the DCMS, connect to Ethernet network, connect to displays using available display connections (i.e. HDMI, DVI, VGA, USB).
14. DCMS shall have no reoccurring license requirements and all licenses to operate the DCMS must be included, including license to integrate video wall to the DCMS and licenses required for maintenance applications for system health monitoring.

15. DCMS installation and configuration must be provided for each workstation (8-10).
16. Visual displays must be supplied by vendor and be rated for 24/7/365 operations. The displays will reside in the TPD Crime Center and vendor must mount to a wall in a video wall format to fill an area of 60" X 204" and be connected to the DCMS. (Current configuration consists of eight 55" video screens mounted in a 4 X 2 layout).
17. Two additional 60" video screens must be provided by vendor and mounted to the side walls of the crime center; one mounted on the northeast wall and one mounted on the southwest wall with both connected to the DCMS.
18. Display video screens must be narrow, borderless LED Displays with zero Bezel or almost zero Bezel at <1mm with Full HD Resolution, at least 8ms Response time; 178 degree vertical, 178 degree horizontal viewing angle, 500 nits or better, 1200:1 contrast ratio, VESA Mount.