|  |  |  |  |
| --- | --- | --- | --- |
|  | **Updating the Control ROOM 2237** |  |  |
| vMix – 4K * New Computer Motor is needed
 | vMix Software | $700 |  |
| Replaces:* Focus MX4 Video Switch
* 2 Monitors
* Pinnacle Studio
 |
| Blackmagic DeckLink Quad 2 - Video capture adapter - PCIe x8* New Computer Motor is needed
 | https://encrypted-tbn0.gstatic.com/shopping?q=tbn:ANd9GcQT2EudZPs36UWXeEHYJtUwJCYPhKi-dDSSvtWvKp-PTlAms54&usqp=CAY |  |
| B&H Photo AVOr MarkertekReplaces: * Dazzle 1ch input
 |
| Sub Total: $995. |
| **Smart Videohub**  **40x40** Advanced 40 x 40 multi format SD, HD and Ultra HD SDI router with built in video monitoring, spin knob control, and 6G-SDI technology. | https://encrypted-tbn1.gstatic.com/shopping?q=tbn:ANd9GcSYhvMS6GG8VmhKlU9DCWARaLbCrW5LQaVHyMvIRFao7Mn2eXKl&usqp=CAY |  | $2995. - $40x40 |
| Replaces :* Patchbay
* CR Video Router
* CR RGB Router
* 3 Scan Converters
* 4 Video DA’s
 |
| B&H Photo AV |
| Sub Total: $2995. |
| YaeKoo CCTV joystick Keyboard Controller LCD Display for PTZ Speed Dome Camera control | https://encrypted-tbn2.gstatic.com/shopping?q=tbn:ANd9GcR5Pne2ONPuCt_rSyzzD8hmf68ftelNAgwUUMYJQIRGMfo_ujzS9F4px9dHJK2mVj4q5CeqygBq&usqp=CAE | Amazon |
| Need only 1Control cameras once we concert to RS485 from RS232Adds: * Camera Controls
 |
| Sub Total: $60. |
| Samsung Monitors | Samsung 40" Class FHD (1080P) LED TV (UN40H5003BFXZA) | 1. ~ $450
2. ~ $550
 |
| 1. CR Multiviewer
	* UN50MU6070F
2. CR Computer
	* LU32H850U MNXZA 31.5”
 | For control room Multiviewer and pre-view for recording lectures in either room (2241,2223,2103)Replaces* All CR monitors

Adds* more views
* 1st step towards the “Smith Page”
 |
| Anywhere |
|  | Sub Total: $1000. |
| Blackmagic MultiView 16 Video Multiviewer for 16-Channels of SDI | https://www.markertek.com/productImage/alternate-1/125x125/BMD-MULTIVIEW16.JPG“Smith Page” will require a 2nd smaller unit, which can be HDMI I/O (under $400. Each) | $1495 |
| Replaces* All CR monitors

Adds* more views
* 1st step towards the “Smith Page”
 |
| Sub Total: $1495 |
| DMC-HD-DPS orDMC-4K-HD-HDCP2 | https://i.ebayimg.com/images/g/m4cAAOSwQHpbI03e/s-l1600.jpg | {4k-HD card}MSRP - $800A+ Price - $500 |
| Ebay: $100 - $500 |
| Need: * 2 for 2237
 | Need 2 |
| Sub Total: $400 |
| DM-TX-4K-100-C-1G-B-T | https://i.ebayimg.com/images/g/SUAAAOSwSfRbP3Wt/s-l1600.jpg | MSRP - $700A+ Price - $438 |
| eBay $125 - $300 |
| Need 2 for the Conferencing Computer  |  |
| Sub Total: $500 |
| Touch Screens for,2237, Plus:Cable V-CBL-S6-BIs needed 24Vdc, 2A Power Supplies maybe needed. 2223 doesn’t need video preview. TSW-1050 would work or perhaps one of our older units. Up to programmer…  | https://i.ebayimg.com/images/g/wSIAAOSwhqJYWuIJ/s-l1600.jpg | Discontinued |
| eBay$160 - $480 |
| Need 31. 2237
 |
| Sub Total: $400 |
| TPMC-V-IMCWPower supplies maybe needed  | https://i.ebayimg.com/images/g/YXYAAOSwHgVW7zzl/s-l1600.jpg | Discontinued  |
| eBay$15 - $100 |
| Need 1 |
| Sub Total: $50 |
| VeLLBox SDI Switcher 4x1, 4 In 1 Out SDI Switcher, Support Resolution up to 1080p | https://images-na.ssl-images-amazon.com/images/I/61TluPoBgzL._SL1500_.jpg | $119. Each |
| Need 2 – One for 2241 outputs and one for 2103 Outputs |
| [Amazon](https://www.amazon.com/dp/B01CZE4OC8/ref%3Dasc_df_B01CZE4OC85410235/?tag=hyprod-20&creative=395033&creativeASIN=B01CZE4OC8&linkCode=df0&hvadid=194024095585&hvpos=1o5&hvnetw=g&hvrand=9324849099694789580&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9018948&hvtargid=pla-314762795448) |
| Need only 1Control cameras once we concert to RS485 from RS232 |
| Optional, Not sure if it’s needed yet. |
| Blackmagic Design CONVMCAUDSAudio to SDI Mini Converter | http://www.fullcompass.com/common/products/original/161508.jpg | ~ 195 each |
| B&H Photo AV |
| Need UnknownMaybe 3 |
| Sub Total: $600 |
|  |  | **Total: $9,195.** |
|  |
| **Rough Cast for rm2241 to SDI and to 6G/4K output**  | **Rough Cast for control room to SDI and to 6G/4K**  | **Update rm2103 to SDI and to 6G/4K output** | **Rough Cast for rm2223**  |
| **$21,556.** | **$9,195.** | **$6,255.** | **$4,015.** |