Standard Equipment List

Equipment Type	Manufacturer	Model Number / Series	Ordering Notes	Other Required Item(s)	Description	Category	Environment	Comments
Camera - Fixed	Pelco	FD5-IRV			Basic analog camera with built-in IR Illumination.	Analog	All	Only for use at sites without CCIT network connectivity.
Camera - Fixed	Pelco	Sarix IL10-xP	Substitute "x" for D (micro-dome) or B (micro-box)		Basic IP camera with no analytics. Suitable for office areas or low-security hallways.	IP	Indoor Only	Only for use in non-critical (lower security) areas.
Camera - Fixed	Pelco	Sarix IMP w/ IR			Advanced IP camera with analytics and built-in IR Illumination.	IP	All	Recommended model for the majority of new camera additions.
Camera - PTZ	Pelco	SD429-PG-E0			IP camera with pan/tilt/zoom capabilities that also can work with analog systems.	Analog	All	Only for use as replacements at sites that have analog cabling infrastructure.
Camera - PTZ	Pelco	Spectra Enhanced	Do not supply/install MicroSD card.		Advanced IP camera with pan/tilt/zoom capabilities, analytics, wide dynamic range, and image stablization.	IP	All	Recommended only at large campuses, certain PUD locations, and in specialty applications. If additional camera coverage is needed, add additional fixed cameras.
Camera - Specialty	Bosch	Dinion Capture 5000/7000	Order analog camera encoder(s). Bosch IP models are not supported by Collier County.	NET55xx Series	License plate recognition camera.	Analog	All	
Camera - Specialty	Pelco	ExSite EHXME			Explosionproof	IP	All	
Camera - Specialty	Pelco	Optera IMM			Panoramic (180°/270°/360°)	IP	All	Will not work until Collier County upgrades to VideoXpert.
Camera - Specialty	Pelco	Sarix TI			Thermal Imaging	IP	All	
Card Access - Controller	Johnson Controls (JCI)	CK721-A			P2000 card access controller.	IP	Indoor Only	
Card Access - Controller	Johnson Controls (JCI)	S321-IP			P2000 card access controller.	IP	Indoor Only	Only use at sites with two or less readers (unless otherwise directed).
Card Access - Reader	HID	MaxiProx Series	Wiegand	CK721-A; DTK-3LVLPX	Large reader with 24" read range.	N/A	All	Recommended for gate installations.
Card Access - Reader	HID	MiniProx Series	Wiegand	CK721-A; DS160/DS161; DTK-3LVLPX	Slim mullion mount proximity reader.	N/A	All	
Card Access - Reader	HID	ProxPro with Keypad Series	Wiegand	CK721-A; DS160/DS161; DTK-3LVLPX	Square single-gang electrical box mount proximity reader with keypad.	N/A	All	Recommended only for higher-security areas.
Card Access - Request to Exit Detector	Bosch	DS160/DS161			Infrared request ot exit detector.	N/A	Indoor Only	
Decoder	Pelco	NET5402R-HD		Back-UPS ES 550	Hardware video display station	IP	Indoor Only	
Emergency Phone	Code Blue	IP150x	Substitute "x" with 0 for surface mount or 1 for flush mount.	DTK-MRJPOE	1-button compact emergency help point.	IP	Indoor Only	Recommended only for elevators or areas without sufficient space.
Emergency Phone	Code Blue	IP5000-FP2	Add "K" at the end of the model # if a keypad is necessary.	DTK-MRJPOE	2-button (Help / Info) emergency help point.	IP	Indoor Only	
Emergency Phone - Enclosure	Code Blue	CB 1-D	Safety Blue (Color), Clear Coat enclosure, "Assistance" (Graphics Text), Reflective White (Graphics Color), "Push for Help" (Main Bezel)	IP5000-FP2; Sarix IMP w/ IR	Free-standing enclosure with two faceplates.	IP	All	
Emergency Phone - Enclosure	Code Blue	CB 1-s with AED	Safety Blue (Color), Clear Coat enclosure, "Assistance" (Graphics Text), Reflective White (Graphics Color), "Push for Help" (Main Bezel)	IP5000-FP2	Free-standing enclosure with secure AED cabinet.	IP	All	
Emergency Phone - Enclosure	Code Blue	CB 2-E with Public Address	Safety Blue (Color), Clear Coat enclosure, "Assistance" (Graphics Text), Reflective White (Graphics Color), "Push for Help" (Main Bezel)	IP5000-FP2	Wall-mount enclosure with PA speaker.	IP	All	
Emergency Phone - Enclosure	Code Blue	CB 9-x	Substitute "x" for S (one faceplate), D (two faceplates), or T (four faceplates). Safety Blue (Color), Clear Coat enclosure, "Assistance" (Graphics Text), Reflective White (Graphics Color), "Push for Help" (Main Bezel).	IP5000-FP2; Sarix IMP w/ IR	Free-standing enclosure with optional additional faceplates for cameras/card readers.	IP	All	Recommended primarily at gate entrances.
Emergency Phone - Public Address Kit	Code Blue	PAS 360° Kit	Safety Blue (Color), Basic Unit Configuration (No Control)		360° public address speaker and strobe.	N/A	All	Will require IP5000 to function.
Emergency Phone - Public Address Kit	Code Blue	PAS WM-180	Safety Blue (Color), Basic Unit Configuration (No Control)		180° wall-mount public address speaker and strobe.	N/A	All	Will require IP5000 to function. Used for public address system retrofits.
Emergency Phone - Specialty Integrator	Code Blue	IP Audio Interface		DTK-MRJPOE	Used for special configurations, such as using the keypad to open a gate.	IP	All	Seperate CAT-6 cable required (no piggy-backing through IP5000).
Encoder	Pelco	NET55xx Series	Substitute "xx" with 01, 04, 08, or 16 to denote amount of camera channels available.	DTK-MRJPOE; SMART500RT1U	Converts analog camera signals to IP for use with Endura.	Analog	Indoor Only	Only for use in DVR upgrade projects (not for use when adding new cameras).
HVAC Controller	Johnson Controls (JCI)	MS-NAE Series		DTK-MRJPOE; Back-UPS ES 550	Network automation engine.	IP	Indoor Only	
HVAC Controller	Johnson Controls (JCI)	MS-NIE Series		DTK-MRJPOE; Back-UPS ES 550	Network integrator engine.	IP	Indoor Only	
IR Illuminators	Pelco	IR850S-65/IR850L-220	Range up to 213ft / 722ft. Requires power (not provided by PoE or camera).		Semi-covert (850nm) infrared illuminator.	N/A	All	Only use when covert (940nm) range is not sufficient.
IR Illuminators	Pelco	IR940S-30/IR940L-110	Range up to 98ft / 361ft. Requires power (not provided by PoE or camera).		Covert (940nm) infrared illuminator.	N/A	All	Recommended in dark and/or high-security areas when cameras do not contain built-in IR.
KVM-Over-IP	Cables to Go (C2G)	52194			Allows viewing and keyboard/mouse control of remote system over the network.	IP	Indoor Only	Used when connecting systems that need to be monitored remotely but cannot be connected directly to the network (e.g. X-Ray machines).

Equipment Type	Manufacturer	Model Number / Series	Ordering Notes	Other Required Item(s)	Description	Category	Environment	Comments
Media Converter - Fiber to CAT-6	Pelco	FMCI-AF1MM1STM		FMCI-BF1MM1STM; FEXTPS	CAT-6 to multimode fiber media converter *TRANSMITTER*. Mini AC/DC surface mount version.	IP	All	Supports 100Base-FX (Optical) / 10Base-T/100Base-TX (Electrical)
Media Converter - Fiber to CAT-6	Pelco	FMCI-BF1MM1STM		FMCI-AF1MM1STM; FEXTPS	CAT-6 to multimode fiber media converter *RECEIVER*. Mini AC/DC surface mount version.	IP	All	Supports 100Base-FX (Optical) / 10Base-T/100Base-TX (Electrical)
Media Converter - Fiber to CAT-6	Pelco	FMCI-PG Series	Cisco SFP's at each end of the cabling will need to be specified and provided seperately by CCIT.		CAT-6 to fiber media converter with FSFP support	IP	All	Will require one (1) CCIT SFP port per device.
Media Converter - Fiber to CAT-6	Pelco	FMCI-PoE Series	Cisco SFP's at each end of the cabling will need to be specified and provided seperately by CCIT.		CAT-6 to fiber media converter with FSFP support	IP	All	Will require one (1) CCIT SFP port per device.
Monitor - CCTV	Pelco	PMCL5xxBL Series	Substitute "xx" with 32, 42, 46, or 55 to denote screen size in inches.		High-end 24/7-rated LCD monitor.	N/A	Indoor Only	
Monitor - CCTV	Tatung	TMExx Series	Substitute "xx" with 24, 32, 42, or 50 to denote screen size in inches.		Value 24/7-rated LCD monitor.	N/A	Indoor Only	
Network Storage Manager	Pelco	NSM5200-xx-US Series			Substitute "xx" with 24, 36, or 48 to denote TB of storage.	IP	Indoor Only	Supports up to 40 / 60 / 80 cameras
Patch Panel - CAT-6	Legrand	OR-PHD66U24			Ortronics 24-port CAT-6 patch panel.	IP	Indoor Only	
Power Supply	Peerless-AV	MCS Series			Power supply for multiple cameras	N/A	Indoor Only	
Power Supply	Pelco	TF9000			Single camear power supply	N/A	Indoor Only	120 VAC Input / 50 VA Output
Power Supply	Pelco	WCS1-4			Single camera power supply	N/A	All	100/120/240 VAC Input. One 24/26/28 VAC output, total current capacity of 4 A (100 VA).
Power Supply	Pelco	WCS4-20			Multiple camera power supply	N/A	All	120/240 VAC Input. Four fused 24/28 VAC outputs, total current capacity of 20 A (480 VA).
Power Supply	Pelco	WCS4-20B			Multiple camera power supply	N/A	All	120/240 VAC input. Four protected 24/28 VAC outputs, total current capacity of 12 A (288 VA) with circuit breakers.
Power Supply - Media Converter	Pelco	FEXTPS			External Power Supply	N/A	All	100 to 240 VAC / 9 VDC
Power Supply - Media Converter	Pelco	FEXTPS-48V			External Power Supply	N/A	All	
Power Supply - PoE Injector	Pelco	POE16ATN-US	Do not include POE1XT PoE extender. Fiber shall be provided at distances over 100 meters. ONCE INSTALLED: Label "POWER ONLY - NOT A SWITCH"		16-port PoE+ (IEEE802.3at) injector	IP	Indoor Only	90 to 264 VAC Input / 33.6 W at 120 VAC Output
Power Supply - PoE Injector	Pelco	POE1AT-US	Do not include POE1XT PoE extender. Fiber shall be provided at distances over 100 meters.		1-port PoE+ (IEEE802.3at) injector	IP	Indoor Only	90 to 264 VAC Input / 30 W at 120 VAC Output
Power Supply - PoE Injector	Pelco	POE21U1AF-US	Do not include POE1XT PoE extender. Fiber shall be provided at distances over 100 meters.		1-port PoE (IEEE802.3af) injector	IP	Indoor Only	100 to 240 VAC Input / 19.6 W at 120 VAC Output
Power Supply - PoE Injector	Pelco	POE75U-1UP-US			1-port high power PoE+ (IEEE802.3at) injector for Spectra Enhanced	IP	Indoor Only	100 to 240 VAC Input / 75 W at 120 VAC Output
Power Supply - PoE Injector	Pelco	POE8ATN-US	Do not include POE1XT PoE extender. Fiber shall be provided at distances over 100 meters. ONCE INSTALLED: Label "POWER ONLY - NOT A SWITCH"		8-port PoE+ (IEEE802.3at) injector	IP	Indoor Only	90 to 264 VAC Input / 33.6 W at 120 VAC Output
Rack - Wall Mount	Tripp Lite	SRW10US			10U hinged wall mount rack enclosure cabinet.	N/A	Indoor Only	Not for use with CCIT equipment; only security and building automation devices.
Surge Protection - AC	Ditek Corp	DTK-120GP			Gate motor surge arrestor.	N/A	All	
Surge Protection - AC	Ditek Corp	DTK-1F			Single-outlet AC surge protector.	N/A	All	
Surge Protection - AC	Ditek Corp	DTK-3LVLPX			Wiegand card reader surge protector.	N/A	All	Required for all card access readers.
Surge Protection - CAT-6	Ditek Corp	DTK-MRJPOE	Include one at each end of CAT-6 cable (i.e. two per device). Requires at least 3' patch cable between protector and switch.		Single surge protector with RJ45 connector and external grounding screw.	IP	All	Surge protection is required for any equipment installed outside (i.e. mounted to a building) using CAT-6. Ensure ground resistance is 5 ohms or less.
Surge Protection - CAT-6	Ditek Corp	DTK-RM12POE	Include one single surge protector at the device side and one rack-mount unit at other end of the CAT-6 cable (i.e. two surge protectors per device). Requires at least 3' patch cable between protector and switch.	DTK-MRJPOE	Twelve port surge protector with RJ45 connector and external grounding screw.	IP	All	Surge protection is required for any equipment installed outside (i.e. mounted to a building) using CAT-6. Use rack-mount model when more than four devices require surge protection. Ensure ground resistance is 5 ohms or less.
Surge Protection - Coax	Ditek Corp	DTK-IBNC Series	Include one at each end of coax cable (i.e. two per camera).		Single inline surge protector with BNC connector.	Analog	All	Only use in areas where dedicated ground is not practical.
Surge Protection - Coax	Ditek Corp	DTK-PVP27x	Substitute "x" for B when using a fixed camera and C when using a Coaxitron PTZ camera. Include one at each end of coax cable (i.e. two per camera).		Single surge protector with BNC connector and external grounding screw.	Analog	All	Surge protection is required for any equipment installed outside (i.e. mounted to a building) using coax. Ensure ground resistance is 5 ohms or less.
Surge Protection - Coax	Ditek Corp	DTK-RM16NM	Include one single surge protector at the device side and one rack-mount unit at other end of the coax cable (i.e. two surge protectors per device).	DTK-PVP27x	Sixteen port surge protector with RJ45 connector and external grounding screw.	IP	All	Surge protection is required for any equipment installed outside (i.e. mounted to a building) using coax. Use rack-mount model when more than four devices require surge protection. Ensure ground resistance is 5 ohms or less.
UPS - Rack Mount	Tripp Lite	SMART500RT1U			1U rack mount battery backup (500VA / 300W).	N/A	Indoor Only	Not for use with CCIT equipment; only security and building automation devices.
UPS - Standard	APC	Back-UPS ES 550			550VA / 330W "green" battery back-up.	N/A	Indoor Only	

Equipment Type	Manufacturer	Model Number / Series	Ordering Notes	Other Required Item(s)	Description	Category	Environment	Comments
Video Joystick/Keyboard	Pelco	KBD5000	Requires CCIT PC for Viewing Station.			IP	Indoor Only	