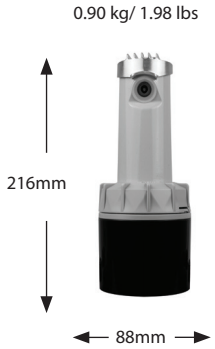
SLX-VIDEO

EDGE VIDEO RECORDING HARDWARE SPECIFICATIONS



CAMERA SPECIFICATIONS		
Image Sensor + Lens Options	1080P (2MP Image Sensor)	~110° fixed lens (Wide FOV)
	4K (12MP Image Sensor)	~120° fixed lens (Wide FOV)
		~80° fixed lens (Mid FOV)
		~40° DFOV fixed lens (Narrow FOV)
Wide Dynamic Range	1080P 4K	~72dB at 8X gain

COMPRESSION STANDARD		
Video Compression		H.264
H.264 Type		High Profile
Video Bit Rate	1080P	Default 1mb/s
	4K	Default 4mb/s
Dual Streams		Supported for 1080p only

IMAGE		
Max. Resolution	1080P	1920 x 1080 pixels
	4K	3840 x 2160 pixels
Max Frame Rate		30 fps
On-Board Storage		Built-In Micro SD/SDHC/SDXC Slot, Up to 1.5 TB

ELECTRICAL/MECHANICAL/ ENVIRONMENTAL	
Electrical Input	See SLX-Controls Spec Sheet for more information. ANSI C136.10 and C136.41 compliant.
Power Consumption	4W Avg @120V, 5.75W Max @120V
Vandal Resistance	IK-08 rated.
Ingress Protection	IP-66 rated
Temperature Rating	-30°C to +40°C rated (-22°F to +104°C)
Total Dimensions	88 mm maximum diameters, 216 mm maximum height
Total Weight	900 g

CERTIFICATIONS	
Product Safety Certification	UL
FCC	FCC, IC
Cellular module certification	PTCRB, FCC, IC

INTEROPERABILITY STANDARDS
ONVIF Profile S (streaming) supported[1]
ONVIF Profile G (edge recording uploads) supported[1]

USER INTERFACE
Smart Client with intuitive, user-friendly interface
Simple access to live streaming and edge retrieval functionality with separate, easy-to-navigate tabs
One-click access to live-streaming (1 minute streaming default to limit cellular data usage)
User friendly calendar based access to edge-retrieval and video export functionality
Create custom views for multi-camera viewing

ASSET MANAGEMENT
Liveable Cities cameras come pre-commissioned to Milestone
Device Firmware upgrades available over-the-air

VIDEO STORAGE
Cloud based video storage, no on-premise storage requirements
Cloud storage of retrieved video for up to 30 days from date of video
Video can be exported in .mkv file format
Live stream video is not automatically saved into cloud storage

UPGRADES AVAILABLE
Greater than 30-day cloud storage of edge retrieved video
Grouping of devices by region
Evidence Locker
Web Client provides one-click access to live-streaming and access to view videos which have been retrieved by Smart Client

PRIVACY	
Privacy	The system allows for Privacy Masking
License Plate Recognition	The system does not recognize or record license plates
Facial Recognition	The system does not track individuals or perform any form of facial recognition
Audio Recording	The system is not equipped with a microphone for audio recording

NETWORK	
Communication	LTE

All information provided is subject to change without notice. [1]Compatibility to be verified on a per VMS basis.

Liveable Cities

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LRL-SUP0134-10_SLX-VIDEO_CONTROLLER SPECIFICATIONS - EN 05-03-2026

ORDER GUIDE - 1080P

REPEAT ORDER		
☐ YES	☐ NO	IF YES, LAST PO #: _____

SERIES	IMAGE SENSOR & LENS	VOLTAGE	SD CARD	RECORD BITRATE	STREAM BITRATE[1][2]	CELLULAR DATA BUDGET[3] [MONTHLY]	VIDEO MANAGEMENT SYSTEM (VMS)	ANALYTICS[4][5]	OTHER OPTIONS
CX	**2**								
CX	**2**-Dual 1080p, 2MP, 110°(Wide FOV)	**2**-220-240V (CE) **A**-120-480V (UL)	**032**-32GB **064**-64GB **128**-128GB **256**-256GB **512**-512GB **1T0**-1TB **1T5**-1.5TB	**1**-1MBPS **2**-2MBPS	**A**-100KBPS **B**-256KBPS **C**-512KBPS **1**-1MBPS **2**-2MBPS	**05**-5GB **10**-10GB **XX**-Custom GB	**X**-No VMS **M**-Milestone VMS supplied and cloud hosted by LRL/LC **C**-Customer supplied ONVIF VMS	**XX**-No analytics **V-** Vehicle Count (Large, Small, Motorcycle) **ID**-Intrusion Detection **BC**-Bike Count (Path / Bike Lane only) **ST**-Stopped Traffic **SO**-Space Occupied (loading zone, rush regulation) **WW**- Wrong Way Detection	If applicable, insert 4 digit Special Product Request code (SPR)

[1]Stream quality depends on avaiable bandwidth (BW) in the region [2]Default configuration: 512GB SD card, 1 Mbps record bitrate, 1 Mbps stream bitrate, and a 5GB cellular data budget. For additional details, see the last page. [3]0.6GB data used by camera in steady state to communicate on-line status and health with VMS [4]Only one analytic can run per image sensor except for ID [5]Analytics can only be set up after installation

Required for repeat orders **CLEAR FORM**

ORDERING AND SETUP INFORMATION	
Order Configuration	CX-2- - - - - - - -
Quantity	
Customer Name	
Project Name	
Approved By	
Date	
Comments	

For SmartLinx Setup *(Not Required For Repeat Orders)*			**CONTROLLER**
Streetlighting Data Collection, Visualization, & Control	YES ☐ *Required for analytics data visualization*		NO ☐
Default Lighting Type Example: LED, HPS, Mixed, Other			
Dimming	0-10V	DALI	None ☐
Address	Lat:		
	Long:		
SmartLinx Site Admin	Name		
	Phone		
	Email		

Internal *(Not Required For Repeat Orders)*							
Controller Network Type	LTE-M	NB-IoT	LTE		**Customer ID#**	Controller	Camera

Required For Milestone [VMS=M] *(Not Required For Repeat Orders)*			**CAMERA**
CONTACT INFORMATION			
Name	Phone	Comments	
Address			
City	State/Province		
Country	Postal Code/ Zip Code		
ADMIN USERS*			
Name	Name	Name	Name
Phone	Phone	Phone	Phone
Email	Email	Email	Email
STANDARD USERS			
Name	Name	Name	Name
Phone	Phone	Phone	Phone
Email	Email	Email	Email

*Admin User has the ability to direct liveable cities to add and remove users, and will be the point of contact for the customer for communications around product support, firmware upgrades, etc

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ORDER GUIDE - 4K

REPEAT ORDER		
☐ YES	☐ NO	IF YES, LAST PO #: _____

SERIES	IMAGE SENSOR & LENS	VOLTAGE	SD CARD	RECORD BITRATE	STREAM BITRATE[1][2]	CELLULAR DATA BUDGET[3] [MONTHLY]	VIDEO MANAGEMENT SYSTEM (VMS)	ANALYTICS[4][5]	OTHER OPTIONS
CX									
CX	**1 –** Single 4K, 12MP 120° (Wide FOV) **B –** Single 4K, 12MP 80° (Mid FOV) **A –** Single 4K, 12MP 40° (Narrow FOV)	**2**-220-240V (CE) **A**-120-480V (UL)	**032**-32GB **064**-64GB **128**-128GB **256**-256GB **512**-512GB **1T0**-1TB **1T5**-1.5TB	**4**-4MBPS **8**-8MBPS	**A**-100KBPS **B**-256KBPS **C**-512KBPS **1**-1MBPS **2**-2MBPS **4**-4MBPS **8**-8MBPS	**05**-5GB **10**-10GB **XX-**Custom GB	**X**-No VMS **M**-Milestone VMS supplied and cloud hosted by LRL/LC **C**-Customer supplied ONVIF VMS	**XX**-No analytics **VC**-Vehicle Count (Large, Small, Motorcycle) **ID**-Intrusion Detection **BC**-Bike Count (Path / Bike Lane only) **ST**-Stopped Traffic **SO**-Space Occupied (Loading zone, Rush regulation) **WW**-Wrong Way Detection	If applicable, insert 4 digit Special Product Request code (SPR)

[1]Stream quality depends on avaiable bandwidth (BW) in the region
[2]Default configuration: 1TB SD card, 4 Mbps record bitrate, 4 Mbps stream bitrate, and a 10GB cellular data budget. For additional details, see the last page.
[3]0.6GB data used by camera in steady state to communicate on-line status and health with VMS
[4]Only one analytic can run per image sensor
[5] Analytics can only be set up after installation

Required for repeat orders **CLEAR FORM**

ORDERING AND SETUP INFORMATION	
Order Configuration	CX- - - - - - - - -
Quantity	
Customer Name	
Project Name	
Approved By	
Date	
Comments	

For SmartLinx Setup *(Not Required For Repeat Orders)*			**CONTROLLER**
Streetlighting Data Collection, Visualization, & Control	YES ☐ *Required for analytics data visualization*		NO ☐
Default Lighting Type Example: LED, HPS, Mixed, Other			
Dimming	0-10V	DALI	None ☐
Address	Lat:		
	Long:		
SmartLinx Site Admin	Name		
	Phone		
	Email		

Internal *(Not Required For Repeat Orders)*							
Controller Network Type	LTE-M	NB-IoT	LTE ☐		**Customer ID#**	Controller	Camera

Required For Milestone [VMS=M] *(Not Required For Repeat Orders)*			**CAMERA**
CONTACT INFORMATION			
Name	Phone	Comments	
Address			
City	State/Province		
Country	Postal Code/ Zip Code		
ADMIN USERS*			
Name	Name	Name	Name
Phone	Phone	Phone	Phone
Email	Email	Email	Email
STANDARD USERS			
Name	Name	Name	Name
Phone	Phone	Phone	Phone
Email	Email	Email	Email

*Admin User has the ability to direct liveable cities to add and remove users, and will be the point of contact for the customer for communications around product support, firmware upgrades, etc

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ADDITIONAL INFO

Recommended for max storage | Recommended for max quality | Recommended SD size card.

SD Storage Capacity - In Days (approximate)							
SD CARD	32GB	64GB	128GB	256GB	512GB	1TB	1.5TB
2 x 1080P 1MB/S Bitrate	1.2	2.5	5	10	20	40	60
2 x 1080P 2MB/S Bitrate	0.6	1.2	2.5	5	10	20	30
1 x 4K 4MB/S Bitrate	0.6	1.2	2.5	5	10	20	30
1 x 4K 8MB/S Bitrate	0.3	0.6	0.7	2.5	5	10	15

Video Upload & On-Demand Stream Budget per device (approximate)*						
		# of Cameras				
		1	10	25	50	100
1080P @ 1MB/S Bitrate	5GB Plan (Default)	9.8 hrs	98 hrs (~4 days)	244 hrs (~10 days)	488hrs (~20 days)	978 hrs (~40 days)
	10GB Plan	20.9 hrs	209 hrs (~8.5 days)	522 hrs (~22 days)	1044 hrs (~43 days)	2088 hrs (~87 days)
1080P @ 2MB/S Bitrate	5GB Plan (Default)	4.9 hrs	49 hrs (~2 days)	122 hrs (~5 days)	244hrs (~10 days)	488 hrs (~20 days)
	10GB Plan	10.4 hrs	104 hrs (~4 days)	261 hrs (~11 days)	522 hrs (~22 days)	1044 hrs (~43 days)
4K @ 4MB/S Bitrate	5GB Plan	2.3 hrs	23 hrs (~1 day)	65 hrs (~2.7 days)	131 hrs (~5.5 days)	232hrs (~11 days)
	10GB Plan (Default)	4.6 hrs	46 hrs (~2 days)	130 hrs (~5.4 days)	232 hrs (~11days)	464 hrs (~22 days)
4K @ 8MB/S Bitrate	5GB Plan	1.2 hrs	12 hrs (~0.5 days)	31 hours (~1.3 days)	61 hrs (~2.5 days)	122 hrs (~5 days)
	10GB Plan (Default)	2.3 hrs	23 hrs (~1 day)	65 hrs (~2.7 days)	131 hrs (~5.5 days)	232 hrs (~11 days)

*Data plan is per SIM Card, so available data budget is per device regardless of the number of image sensors in a device.

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