

- video streaming industry.", Smart and Sustainable Manufacturing Systems (2020)

Computer Communication and Networks (ICCCN) (2018)

				8	
Data Source	Type of Data Collected	Data Rate (MB/min)	Data Volume (GB)	Characterizat	
				3D Optical Profilometer (800 KB per capture)	Optical Microscope (10 MB per capture)
lerometer	Sensor time-series data via National Instrument's Data Acquisition System (NI-DAQ)	1.87	10		-
stic Emission		30	160		7.
film		0.23	1.23		
					CONTRACTOR OF THE OWNER

ustic Emission	Instrument's Data Acquisition System (NI-DAQ)	30	160	LILLIN.	1.7
ı film		0.23	1.23	a Mari a Maria a Maria M	and the second
tonics rmaViz	In-situ melt pool history captured in form of raw frames and associated intensity-based data	1116	5972		
tron High Speed nera	High FPS (~6400) videos are recorded. Amount of time capture X FPS is always limited to < 174698 fames. For ex: At 5000 FPS, a 35 seconds of process will be captured.	1661	111	The first fi	
ical Camera	Process history captured via smartphone at 30/60/120 FPS	26.88	143		
n Platform Imunications C)	Machine Log data keeping track of various machine variables such as XY coordinates of the table, status of the spindle, etc. in form of an Excel-based log	0.02	1		