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Test Image	Chair moved	Light gradually brightened	Light just switched	Tree Waving	Foreground covers monitor	No clean background training	Interior motion undectable
Ideal Foreground		•	on		pattern	1 31	2
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Comparison

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PROPOSED METHOD	CLASSIC MOG
Texture and intensity	Color information
Block-based DCT	Pixel-wise
Grayscale	RGB or YUV
Modeled by Single Gaussian	Modeled by Mixture of Gaussians
Fast adaptation to changes	Slow adaptation
Robust to noise and small scene changes	Sensitive to noise and small scene changes 16



