

Computer Vision

Type of distribution (Noise) in Images	Filters
Pepper Noise (White Noise)	<ul style="list-style-type: none">• Max Filter (100th percentile filter)
Salt Noise (Black Noise)	<ul style="list-style-type: none">• Min Filter (0th percentile filter)• Harmonic Mean Filter
Gaussian (Normal) Noise	<ul style="list-style-type: none">• Midpoint Filter• Arithmetic Mean Filter• Geometric Mean Filter• Gaussian Filter• Harmonic Mean Filter
Uniform Noise	<ul style="list-style-type: none">• Midpoint Filter• Arithmetic Mean Filter
Impulse (Salt & Pepper) Noise	<ul style="list-style-type: none">• Median Filter• Arithmetic Mean Filter
Erlang (Gamma) Noise	<ul style="list-style-type: none">• Arithmetic Mean Filter
Rayleigh Noise	<ul style="list-style-type: none">• Arithmetic Mean Filter

Visualization of Noise distribution in images helps to decide which type of filter apply on it accordingly. That, ultimately helps to preprocess or removes the outlier.