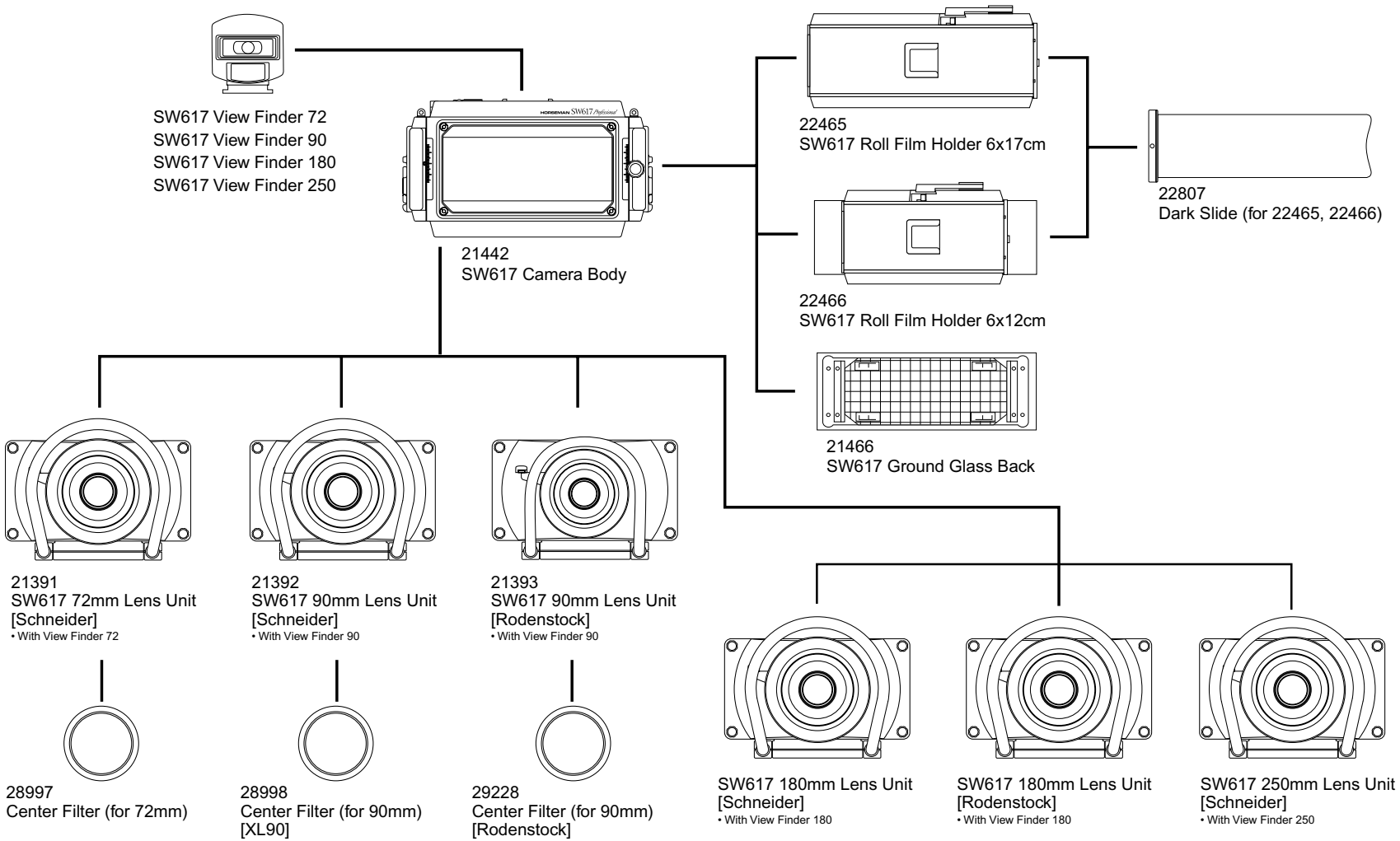SYSTEM CHART