

Студийный свет не для чайников или проблемы работы современных импульсных блоков на коротких выдержках.

Все, кто когда-либо работал со студийным светом, прекрасно знают понятие “Выдержка синхронизации”. Сложности в этом месте совершенно не очевидны для новичков и представляют огромную преграду для различных творческих решений. Вся загвоздка заключается в том, что особенности затворов современных камер не позволяют снимать на выдержках короче 1/200 секунды при использовании импульсного света и, как следствие, снимать динамичные объекты в студии не представляется возможным. Сейчас немного разберёмся в этом эффекте поподробнее.

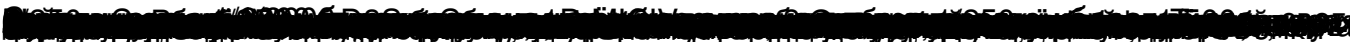


Второй вариант – это использование «матрицы» (таблицы) для сопоставления факторов и их влияния на результативность. В данном случае факторы рассматриваются как независимые переменные, а результативность – как зависимая переменная. Матрица позволяет выявить взаимосвязи между факторами и результативностью, а также определить, какие факторы оказывают наибольшее влияние на результативность.

1 шторка

Подпись: Иванов Иван Иванович (подпись)

1 шторка





1/1000 и с пушкой, освещенной светом, излучающим 1/2000. Бьюла 1/2500, для съемки динамичных сцен



Nikon D3 1/250s
Rekam Master 600 (1/2000)

~~Белый фон, 1/2500s, 1/2000s, 1/1000s, 1/500s, 1/250s, 1/125s, 1/60s, 1/30s, 1/15s, 1/8s, 1/4s, 1/2s, 1s, 2s, 4s, 8s, 15s, 30s, 60s, 125s, 250s, 500s, 1000s, 2000s, 4000s, 8000s, 16000s, 32000s, 64000s, 128000s, 256000s, 512000s, 1024000s, 2048000s, 4096000s, 8192000s, 16384000s, 32768000s, 65536000s, 131072000s, 262144000s, 524288000s, 1048576000s, 2097152000s, 4194304000s, 8388608000s, 16777216000s, 33554432000s, 67108864000s, 134217728000s, 268435456000s, 536870912000s, 1073741824000s, 2147483648000s, 4294967296000s, 8589934592000s, 17179869184000s, 34359738368000s, 68719476736000s, 137438953472000s, 274877906944000s, 549755813888000s, 1099511627776000s, 2199023255552000s, 4398046511104000s, 8796093022208000s, 17592186044416000s, 35184372088832000s, 70368744177664000s, 140737488355328000s, 281474976710656000s, 562949953421312000s, 1125899906842624000s, 2251799813685248000s, 4503599627370496000s, 9007199254740992000s, 18014398509481984000s, 36028797018963968000s, 72057594037927936000s, 144115188075855872000s, 288230376151711744000s, 576460752303423488000s, 1152921504606846976000s, 2305843009213693952000s, 4611686018427387904000s, 9223372036854775808000s, 18446744073709551616000s, 36893488147419103232000s, 73786976294838206464000s, 147573952589676412928000s, 295147905179352825856000s, 590295810358705651712000s, 1180591620717411303424000s, 2361183241434822606848000s, 4722366482869645213696000s, 9444732965739290427392000s, 18889465931478580854784000s, 37778931862957161709568000s, 75557863725914323419136000s, 151115727451828646838272000s, 302231454903657293676544000s, 604462909807314587353088000s, 1208925819614629174706176000s, 2417851639229258349412352000s, 4835703278458516698824704000s, 9671406556917033397649408000s, 19342813113834066795298816000s, 38685626227668133590597632000s, 77371252455336267181195264000s, 154742504910672534362390528000s, 309485009821345068724781056000s, 618970019642690137449562112000s, 1237940039285380274899124224000s, 2475880078570760549798248448000s, 4951760157141521099596496896000s, 9903520314283042199192993792000s, 19807040628566084398385987584000s, 39614081257132168796771975168000s, 79228162514264337593543950336000s, 158456325028528675187087900672000s, 316912650057057350374175801344000s, 633825300114114700748351602688000s, 1267650600228229401496703205376000s, 2535301200456458802993406410752000s, 5070602400912917605986812821504000s, 10141204801825835211973625643008000s, 20282409603651670423947251286016000s, 40564819207303340847894502572032000s, 81129638414606681695789005144064000s, 162259276829213363391578010288128000s, 324518553658426726783156020576256000s, 649037107316853453566312041152512000s, 1298074214633706907132624082305024000s, 2596148429267413814265248164610048000s, 5192296858534827628530496329220096000s, 10384593717069655257060992658440192000s, 20769187434139310514121985316880384000s, 41538374868278621028243970633760768000s, 83076749736557242056487941267521536000s, 166153499473114484112975882535043072000s, 332306998946228968225951765070086144000s, 664613997892457936451903530140172288000s, 1329227995784915872903807060280344576000s, 2658455991569831745807614120560689152000s, 5316911983139663491615228241121378304000s, 10633823966279326983230456482242756608000s, 21267647932558653966460912964485513216000s, 42535295865117307932921825928971026432000s, 85070591730234615865843651857942052864000s, 170141183460469231731687303715884105728000s, 340282366920938463463374607431768211456000s, 680564733841876926926749214863536422912000s, 1361129467683753853853498429727072845824000s, 2722258935367507707706996859454145691648000s, 5444517870735015415413993718908291383296000s, 10889035741470030830827987437816582766592000s, 21778071482940061661655974875633165533184000s, 43556142965880123323311949751266331066368000s, 87112285931760246646623899502532662132736000s, 174224571863520493293247799005065324265472000s, 348449143727040986586495598010130648530944000s, 696898287454081973172991196020261297061888000s, 1393796574908163946345982392040522594123776000s, 2787593149816327892691964784081045188247552000s, 5575186299632655785383929568162090376495104000s, 11150372599265311570767859136324180752990208000s, 22300745198530623141535718272648361505980416000s, 44601490397061246283071436545296723011960832000s, 89202980794122492566142873090593446023921664000s, 178405961588244985132285746181186892047843328000s, 356811923176489970264571492362373784095686656000s, 713623846352979940529142984724747568191373312000s, 1427247692705959881058285969449495136382746624000s, 2854495385411919762116571938898990272765493248000s, 5708990770823839524233143877797980545530986496000s, 11417981541647679048466287755595961091061972992000s, 22835963083295358096932575511191922182123945984000s, 45671926166590716193865151022383844364247891968000s, 91343852333181432387730302044767688728495783936000s, 182687704666362864775460604089535377456991567872000s, 365375409332725729550921208179070754913983135744000s, 730750818665451459101842416358141509827966271488000s, 1461501637330902918203684832716283019655932542976000s, 2923003274661805836407369665432566039311865085952000s, 5846006549323611672814739330865132078623730171904000s, 11692013098647223345629478661730264157247460343808000s, 23384026197294446691258957323460528314494920687616000s, 46768052394588893382517914646921056628989841375232000s, 93536104789177786765035829293842113257979682750464000s, 187072209578355573530071658587684226515959365500928000s, 374144419156711147060143317175368453031918731001856000s, 748288838313422294120286634350736906063837462003712000s, 1496577676626844588240573268701473812127674924007424000s, 2993155353253689176481146537402947624255349848014848000s, 5986310706507378352962293074805895248510699696029696000s, 11972621413014756705924586149611790497021399392059392000s, 23945242826029513411849172299223580994042798784118784000s, 47890485652059026823698344598447161988085597568237568000s, 95780971304118053647396689196894323976171195136475136000s, 191561942608236107294793378393788647952342390272950272000s, 383123885216472214589586756787577295904684780545900544000s, 766247770432944429179173513575154591809369561091801088000s, 1532495540865888858358347027150309183618739122183602176000s, 3064991081731777716716694054300618367237478244367204352000s, 6129982163463555433433388108601236734474956488734408704000s, 12259964326927110866866776217202473468949912977468817408000s, 24519928653854221733733552434404946937899825954937634816000s, 49039857307708443467467104868809893875799651909875269632000s, 98079714615416886934934209737619787751599303819750539264000s, 196159429230833773869868419475239575503198607639501078528000s, 392318858461667547739736838950479151006397215279002157056000s, 784637716923335095479473677900958302012794430558004314112000s, 1569275433846670190958947355801916604025588861116008628224000s, 3138550867693340381917894711603833208051177722232017256448000s, 6277101735386680763835789423207666416102355444464034512896000s, 12554203470773361527671578846415332832204710888928069025792000s, 25108406941546723055343157692830665664409421777856138051584000s, 50216813883093446110686315385661331328818843555712276103168000s, 100433627766186892221372630771322662657637687111424552206336000s, 200867255532373784442745261542645325315275374222849104412672000s, 401734511064747568885490523085290650630550748445698208825344000s, 803469022129495137770981046170581301261101496891396417650688000s, 1606938044258990275541962092341162602522202993782792835301376000s, 3213876088517980551083924184682325205044405987565585670602752000s, 6427752177035961102167848369364650410088811975131171341205504000s, 12855504354071922204335696738729300820177623950262342682411008000s, 25711008708143844408671393477458601640355247900524685364822016000s, 51422017416287688817342786954917203280710495801049370729644032000s, 102844034832575377634685573909834406561420991602098741459288064000s, 205688069665150755269371147819668813122841983204197482918576128000s, 411376139330301510538742295639337626245683966408394965837152256000s, 822752278660603021077484591278675252491367932816789931674304512000s, 1645504557321206042154969182557350504982735865633579863348609024000s, 3291009114642412084309938365114701009965471731267159726697218048000s, 6582018229284824168619876730229402019930943462534319453394436096000s, 13164036458569648337239753460458804039861886925068638906788872192000s, 26328072917139296674479506920917608079723773850137277813577744384000s, 52656145834278593348959013841835216159447547700274555627155488768000s, 105312291668557186697918027683670432318895095400549111254310977536000s, 210624583337114373395836055367340864637790190801098222508621955072000s, 421249166674228746791672110734681729275580381602196445017243910144000s, 842498333348457493583344221469363458551160763204392890034487820288000s, 1684996666696914987166688442938726917102321526408785780068975640576000s, 3369993333393829974333376885877453834204643052817571560137951281152000s, 6739986666787659948666753771754907668409286105635143120275902562304000s, 13479973333575319897333507543509815336818572211270286240551805124608000s, 26959946667150639794667015087019630673637144422540572481103610249216000s, 53919893334301279589334030174039261347274288845081144962207220498432000s, 107839786668602559178668060348078522694548577690162289924414440996864000s, 215679573337205118357336120696157045389097155380324579848828881993728000s, 431359146674410236714672241392314090778194310760649159697657763987456000s, 862718293348820473429344482784628181556388621521298319395315527974912000s, 1725436586697640946858688965569256363112777243042596638790631055949824000s, 3450873173395281893717377931138512726225554486085193277581262111899648000s, 6901746346790563787434755862277025452451108972170386555162524223799296000s, 13803492693581127574869511724554050904902217944340773110325048447598592000s, 27606985387162255149739023449108101809804435888681546220650096895197184000s, 55213970774324510299478046898216203619608871777363092441300193790394368000s, 110427941548649020598956093796432407239217743554726184882600387580788736000s, 220855883097298041197912187592864814478435487109452369765200775161577472000s, 441711766194596082395824375185729628956870974218904739530401550323154944000s, 883423532389192164791648750371459257913741948437809479060803100646309888000s, 1766847064778384329583297500742918515827483896875618958121606201292619776000s, 3533694129556768659166595001485837031654967793751237916243212402585239552000s, 7067388259113537318333190002971674063309935587502475832486424805170479104000s, 14134776518227074636666380005943348126619871175004951664972849610340958208000s, 28269553036454149273332760011886696253239742350009903329945699220681916416000s, 56539106072908298546665520023773392506479484700019806659891398441363832832000s, 113078212145816597093331040047546785012958969400039613319782796882727665664000s, 226156424291633194186662080095093570025917938800079226639565593765455331328000s, 452312848583266388373324160190187140051835877600158453279131187530910662656000s, 904625697166532776746648320380374280103671755200316906558262375061821325312000s, 1809251394333065553493296640760748560207343510400633813116524750123642650624000s, 3618502788666131106986593281521497120414687020801267626233049500247285301248000s, 7237005577332262213973186563042994240829374041602535252466099000494570602496000s, 14474011154664524427946373126085988481658748083205070504932198000989141204992000s, 28948022309329048855892746252171976963317496166410141009864396001978282409984000s, 57896044618658097711785492504343953926634992332820282019728792003956564819968000s, 115792089237316195423570985008687907853269984665640564039457584007913129639936000s, 231584178474632390847141970017375815706539969331281128078915168015826259279872000s, 463168356949264781694283940034751631413079938662562256157830336031652518559744000s, 926336713898529563388567880069503262826159877325124512315660672063305037119488000s, 1852673427797059126777135760139006525652319754650249024631321344126~~



Nikon D3 1/8000s
Nikon SB-800 FP\TTL

08.02.2011 15:27 - Обновлено 30.03.2016 01:43



Nikon D70 1/8000s
RayLab Sprint-200



Визуализация динамичных сцен